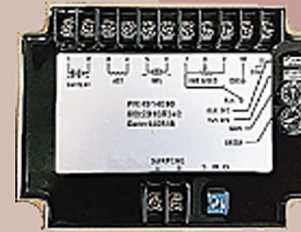


POWERSAN MACHINERY & ELECTRIC SPARE PARTS



STAMFORD SERIES

LEROY SOMER SERIES

MODEL	SENSING INPUT	POWER INPUT	MAGNETIC FIELD OUTPUT		PRESSURE REGULATION ACCURACY
			Voltage (max)	Current (within 10 sec)	with 4% engine governing
SX460	120(95-132VAC) 240(190-264VAC), 1 phase, 2 wire, with copper jumper options	190-264VAC, 1 phase, 2 wire	90VAD at 207VAC	continuous 4A, intermittent 10A	< +/--1% RMS
SX460-A					
SX440	120(95-132VAC) 240(190-264VAC), 1 phase, 2 wire, with copper jumper options	170-220VAC, 3 Phase, 3 wire	120VAD	continuous 2.7A, intermittent 6A	< +/--0.5% RMS
SX440-A			120VAD	continuous 3.7A, intermittent 6A	
AS440	120(95-132VAC) 240(190-264VAC), 1 phase, 2 wire, with copper jumper options	190-264VAC, 1 phase, 2 wire	90VAD	continuous 4A, intermittent	< +/--1% RMS
AS480					
MX341	190-264VAC, 1 phase, 2 wire	170-220VAC, 3 Phase, 3 wire	120VAD	continuous 2.7A, intermittent 6A	< +/--0.5% RMS
MX321	190-264VAC, 2 phase, 3 wire		120VAD	continuous 3.7A, intermittent 6A	
MX450	190-264VAC, 1 phase, 2 wire		90VAD	continuous 4A, intermittent	< +/--1% RMS

	Analog AVRs								Digital AVRs	
	R120	R150	R180	R220	R250	R438	R449	R450	D350	D550
Excitation mode	SHUNT	SHUNT	AREP PMG	SHUNT 3-phase and 1-phase	SHUNT 3-phase and 1-phase	AREP PMG	SHUNT AREP PMG	SHUNT AREP PMG	SHUNT AREP PMG	SHUNT AREP PMG
Rated excitation current	4A/6A for 30s	6A/8A for 30s	6A/9A for 5s	3.2 A	5 A	4 A	7 A	6 A	5 A	7 A
Regulation accuracy (+/- %)	1%	0.8%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.25%	0.25%
Frequency range	20-100Hz	20-100Hz	20-100Hz	10-100Hz	10-100Hz	10-100Hz	10-100Hz	10-100Hz	10-100Hz	10-400Hz
Voltage setting range (+/- %)	10%	10%	5%	5%	5%	5%	5%	5%	10%	30%
kU/F limitation	k=1.2	k=1.2	k=1.2	k=1	k=1	k=1	k=1	k=1&2	0.5<k<3	0.5<k<3
Compatible products	TAL40 TAL42 TAL44	TAL46 TAL47 TAL49	TAL40 TAL42 TAL44 TAL46 TAL47 TAL49	LSA 40 LSM2.3	LSA44.3 LSA46.3 LSA47.2 TAL46 TAL47 TAL49 (for 12 lead option)	LSA 40 LSA 42.3 LSA 44.3 TAL 40 TAL 42 TAL 44 (for 12 lead option)	LSA 51.2 LSA 52.3 LSA 53.2 LSA 54.2	LSA 40 LSA 42.3 LSA 44.3 LSA 46.3 * LSA 47.2 LSA 49.3 * LSA 50.2 TAL 46 * TAL 47 TAL 49 * (for 12 lead option)	LSA 40 LSA 42.3 LSA 44.3 LSA 46.3 LSA 47.2 LSA 49.3 TAL 40 TAL 42 TAL 44 TAL 46 TAL 47 TAL 49	LSA 40 LSA 42.3 LSA 44.3 LSA 46.3 LSA 47.2 LSA 49.3 LSA 49.3 LSA 50.2





SR7
MECCALTE
-Sensing input: 80-350VAC
-Sensing Type:1 phase
-Power input:80-270Vac
-Maximum field voltage:63V at 220VAC
-Current:Continuous 6A



UVR6
MECCALTE
-Sensing input: 220-480VAC
-Type:1/3-phase
-Power supply :80-270Vac
-Maximum field voltage:63V at 220VAC
-Current:Continuous 6A



DSR
MECCALTE
-Variable voltage :40 -270 Vac
-Voltage sensing type:1 phase
-Frequency :15 Hz-72 Hz
-Continuous current:5Adc Max



DER1
MECCALTE
-Variable voltage :40 -270 Vac
-Sensing type:1/3 phase
-Frequency :12 Hz-72 Hz
-Continuous current:5Adc Max



KI-DAVR-50S/50S3
KIPOR
-5KW Diesel generator
-KI-DAVR-50S:1 phase
-KI-DAVR-50S3:3 phase
-Plastic body



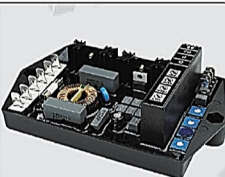
KI-DAVR-95S
KIPOR
-10KW Diesel generator
-Single phase 10KW
-Plastic body



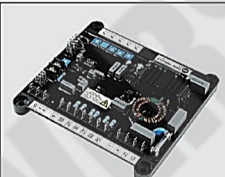
KI-DAVR-95S3
KIPOR
-10KW Diesel generator
-Single phase 10KW
-Aluminium/Plastic body



KI-DAVR-150S/150S3
KIPOR
-10KW Diesel generator
-Single phase 10KW
-Aluminium/Plastic body



M16FA655A
MARELLI
-Voltage sensing range:170-277VAC
-Voltage sensing type:1-phase
-Power supply voltage:170-270Vac
-Maximum field voltage:100vac max
-Current:Continuous 5A



M40FA640A
MARELLI
-Voltage sensing range 170-277VAC
-Voltage sensing type:1/3-phase
-Power supply voltage:170-270Vac
-Maximum field voltage:100vac max
-Current:Continuous 8A



SE350
MARATHON
-Sensing/Power input
-Voltage 190-240Vac
-Power supply voltage:75VDC
-Current:Continuous3.5A



DVR2000E
MARATHON
-Sensing input Voltage:100-600VAC
-Voltage sensing type:1/3phase
-Power input(PMG) Voltage : 180-240V 120-300hz
-Power supply voltage : Max 150Vdc at 200VAC
-Current:Continuous 3A



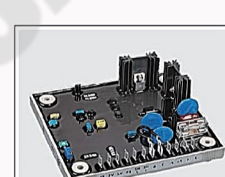
KI-DAVR-250S
KIPOR
Input Voltage: 85-135 VAC / 190-240 VAC
Output Voltage: Max. 36 VDC @ 120 VAC input
Max. 73 VDC @ 240 VAC input
Current:Continuous 4A



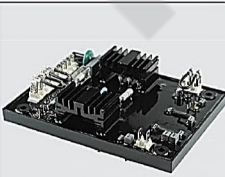
J108
KUBOTA
220V
8.5-20KVA



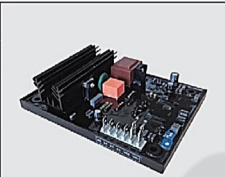
J315
KUBOTA
380V
8.5-20KVA



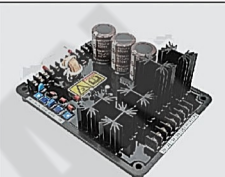
AVC63-4A
BASLER
-Sensing Input:Voltage 120(95-139) or 240(190-277), 1 Phase 2 Wire
-Power Input:Voltage 95-139 V AC, 1 Phase 2 Wire
-Output: Current Continuous 4A,
-Resistance Min. 15Ω , Max. 100Ω
-Voltage Regulation : $\pm 1\%$



WT-2
ENGGA
-Voltage sensing range 70-480VAC
-Voltage sensing type:1-phase
-Power supply voltage:170-270Vac
-Maximum field voltage:100vac max
-Current:Continuous 6A



WT-3
ENGGA
-Voltage sensing range 70-480VAC
-Voltage sensing type:1-phase
-Power supply voltage:170-270Vac
-Maximum field voltage:100vac max
-Current:Continuous 6A



VR6
CAT
-Voltage sensing range 180-280VAC
-Voltage sensing type:1/3 phase
-Power supply voltage: 180-280VAC 1/3phase
63-105vac(PMG) 3phase
-Maximum field voltage:65vac max
-Current:Continuous 12



K65-12B
CAT
-Voltage sensing range 90-140VAC
-Voltage sensing type:1/3 phase
-Power supply voltage: 100-200VAC 1phase
63-105vac(PMG) 3phase
-Maximum field voltage:65vac max
-Current:Continuous 12



AVC63-7
BASLER
-Sensing Input:Voltage 120(95-139) or 240(190-277), 1 Phase 2 Wire
-Power Input:Voltage 95-139 V AC, 1 Phase 2 Wire
-Output: Current Continuous 4A,
-Resistance Min. 15Ω , Max. 100Ω
-Voltage Regulation : $\pm 1\%$ (with 4% engine governing)



AVC63-12
BASLER
-Power:SHUNT EXCITED
-Input:180-280 Vac
50/60 Hz1 OR 3-phase
-PMG EXCITED 63-105Vac 100/240Hz 3-phase
-Sensing input: 180-280Vac
50/60Hz 1 or 3-phase
-CT input:1 or 5Aac 50/60Hz

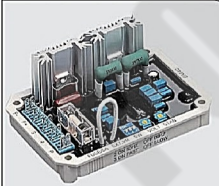


BE2000E
BASLER
-POWER INPUT
Voltage:180-240VAC, 120-300HZ
1 OR 3 PHASE, 650VA
-SENSING INPUT
-Voltage:100-600VAC NOM,
-PARALLELING INPUT:5A AC, 50/60HZ 0.2VA



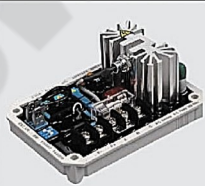
DECS100-B11
BASLER
-PSENSING/POWER INPUT
-Voltage:88-250VAC
-MAGNETIC FIELD OUTPUT
-Voltage:Max 95 Vdc at 240VAC input
-Current: continuous 12A
-PRESSURE REGULATING ACCURACY:$\pm 1\%$RMS with 4% engine governing

KUTAI AVR



◆ **EA04C**
KUTAI

- Voltage regulation less than +/-1%
- Sensing input 160 to 265 Vac / 300 to 550 Vac 50/60 Hz
- For use in 50/60 Hz brushless generator
- Use with KUTAI EP200 Paralleling Module for parallel operation



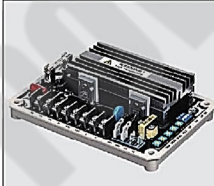
◆ **EA05A**
KUTAI

- Sensing input: Voltage 220/380/440 VAC, 1Phase 2 wire
- Frequency 50/60Hz Jumper selectable
- Power Input: Voltage 100-300VAC, 1 Phase 2 wire
- Output: Voltage Max.63VDC@220VAC input Max.90VDC@240VAC input
- Current: continuous 5A



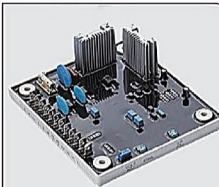
◆ **EA15A**
KUTAI

- Sensing input: Voltage 190-500VAC, 1Phase 2 wire Jumper Selectable
- Frequency 50/60Hz Jumper selectable
- Power Input: Voltage 100-300VAC, 1 Phase 2 wire
- Output: Voltage Max.90VDC@240VAC input
- Current: continuous 15A
- Intermittent 20A for 10 sec



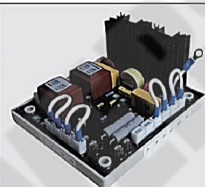
◆ **EA16**
KUTAI

- Sensing input: Voltage 170-510 VAC, 1Phase 2 wire
- Voltage is DIP switch selectable
- Frequency 50/60Hz Jumper selectable
- Power Input: Voltage 100-300VAC, 1 Phase 2 wire
- Output: Max.90VDC@240VAC input
- Current: continuous 16A



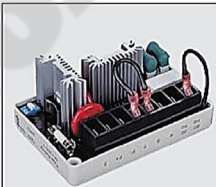
◆ **EA63-4**
KUTAI

- Voltage regulation less than +/-1%
- Under frequency protection
- Over excitation shut down
- EMI suppression
- Adjustable voltage and stability
- Built-in high breaking capacity fuse



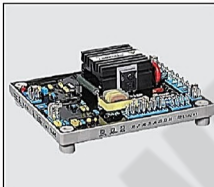
◆ **EA63-7D**
KUTAI

- Power input: 190-277Vac, 50/60Hz, 900VA
- Sensing input: 190-240Vac, 50/60Hz, 0.2VA
- Paralleling input: 5Aac, 50/60Hz, 10VA
- Output: 63Vdc, 7Adc



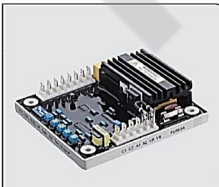
◆ **EA350**
KUTAI

- Voltage regulation less than +/-1%
- Optional 120/240 Vac sensing input switch
- 50/60 Hz selectable
- Under frequency protection
- Built-in high breaking capacity fuse
- EMI Suppression



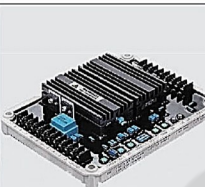
◆ **EA440**
KUTAI

- Voltage regulation less than +/-1%
- Can be use in parallel operation
- Adjustable DIP, TRIM and DROOP function
- Under frequency roll Off protection
- Sensing voltage loss protection
- Under frequency LED indicator
- Soft start voltage ramping



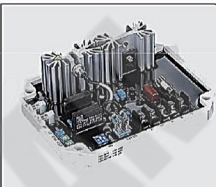
◆ **EA64-5**
KUTAI

Sensing Input(S1,S2)
Voltage 220/440 VAC, 1Phase
190-290Vac @220Vac
330-515Vac@40Vac
Frequency 50/60Hz SW1 selectable
Power Input(P1,P2):
Voltage 30-260VAC, 1 Phase
Output: Voltage Max.
63VDC@220VAC input
Frequency 40-500HZ



◆ **ADVR-12**
KUTAI

- 1 or 3 phase sensing input and power input
- Voltage regulation less than +/0.5%
- 220/380/440/480 Vac programmable input
- DIP switch selectable 50/60 Hz
- Inverse-time over excitation protection
- Under frequency protection and soft start voltage ramping
- Apply with KUTAI I/VI-1260/VI-2460



◆ **ADVR-073**
KUTAI

- Voltage regulation less than +/0.5%
- 220/380/440/480 Vac programmable input
- Rugged compact design
- With under frequency protection
- Over excitation protection
- Soft start voltage ramping
- EMI suppression
- Built-in high capacity 8Amp fuse



◆ **ADVR-16**
KUTAI

- Voltage regulation less than +/0.5%
- Voltage regulation less than +/0.5%
- Suitable for brushless type generator sensing input 170 to 510 Vac
- Can be used in parallel operation
- 16 Adc current output
- Suitable frequency 50/60 Hz
- Inverse-time over excitation protection
- O/E over excitation protection



◆ **AN-5-201A**
DENYO

10ESX
15SPX
18ESX



◆ **AN-5-201R**
DENYO

SAME AS PIC



◆ **AN-5W-201**
DENYO

SAME AS PIC



◆ **AN-5-203**
DENYO

TLG-18SPY
DCA-13ESK
15ESK
25SPK
25ESK
25ESI
25SPI



◆ **AN-5W-203**
DENYO

DLW-400
DCW-480
TLW-450



◆ **AN-5W-203B**
DENYO

DLW-400
DCW-480
TLW-450



◆ **NTA-5A-2TC**
DENYO

60ESI2
75SPI



◆ **NTA-5A-2T**
DENYO

45SPI
45ESI
35SPK
60SOU
75SPI
125SPK3
150SPK



◆ **NTA-5E-2T**
DENYO

180SPK2
220SPK3
300SPK3
400SPK2
500SPK/M
600SPK
800SPK



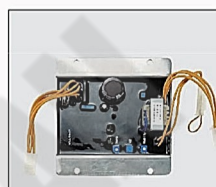
◆ **NTA-5A-2DB**
DENYO

45ESI
150SPM
150ESK















◆ **NTA-5A-2DD**
DENYO

45ESI










◆ **NTA-5A-27**
DENYO

SAME AS PIC

	<p>3036453</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Contact current 5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Overspeed set range 3-5K HZ 		<p>ADC100A-12V/24V</p> <ul style="list-style-type: none"> *Working Stroke 23mm *Model 4BT,6BT,6CT *Working Voltage 12/24V DC *Input Current 0-3.5A *Max.Torque 1.3Nm
	<p>ECU-SS30</p> <ul style="list-style-type: none"> *Working Voltage 10-32V DC *Contact current 5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Overspeed set range 1.0-10K HZ 		<p>3085219</p> <ul style="list-style-type: none"> *Model 200-300KW *Working Voltage 24V DC *Input Current 0-2.5A *Response Time 10ms
	<p>ESD2210</p> <ul style="list-style-type: none"> *Working Voltage 12V DC 24V DC *Output Current Range 50mA *Speed Sensor Signal 0.5-50 Volts RMS *Temperature Range -40~85C *Relative Humidity <95% *Speed Range 1K-7.5K HZ *Speed Trim Range +/-200 HZ 		<p>3408324</p> <ul style="list-style-type: none"> *Specification NC Small Flow *Model 200-300KW *Working Voltage 24V DC *Input Current 0-2.5A *Response Time 10ms *Apply For CCEC
	<p>ADC120A-12/24V</p> <ul style="list-style-type: none"> *Working Stroke 26" *Model General *Working Voltage 12/24V DC *Input Current 0-4A *Max.Torque 1.5Nm *Universal 		<p>3408326</p> <ul style="list-style-type: none"> *Specification NC Big Flow *Model 300-800KW *Working Voltage 24V DC *Input Current 0-2.5A *Response Time 10ms *Apply For CCEC
	<p>ADC225A-12/24V</p> <ul style="list-style-type: none"> *Working Stroke 28" *Model General *Working Voltage 12/24V DC *Input Current 0-5A *Max.Torque 3Nm *Universal 		<p>3408328</p> <ul style="list-style-type: none"> *Specification NO Small Flow *Model 300-800KW *Working Voltage 24V DC *Input Current 0-2.5A *Response Time 10ms *Apply For CCEC
	<p>ACD175A-12/24V</p> <ul style="list-style-type: none"> *Working Stroke 23mm *Model 4BT,6BT,6CT *Working Voltage 12/24V DC *Input Current 0-3.5A *Max.Torque 1.3Nm *Apply For CCEC 		<p>3408329</p> <ul style="list-style-type: none"> *Specification NO Big Flow *Model 200-500KW *Working Voltage 24V DC *Input Current 0-2.5A *Response Time 10ms *Apply For CCEC

VDO TYPE GAUGE					
PHOTO					
MODEL	WTG-12V/24V	OPG-12V/24V	OTG-12V/24V	VG-12V/24V	FLG-12V/24V
DESCRIPTION	WATER TEMPERATURE	OIL PRESSURE	OIL TEMPERATURE	VOLTAGE	FUEL LEVEL
VOLTAGE	12V OR 24V	12V OR 24V	12V OR 24V	12V OR 24V	12V OR 24V
RANGE	38-120°C 100-250F	0-10.3BAR 0-150PSI	50-150°C	8-16V@12V 16-32V@24V	0-1/1
SIZE (mm)	Φ52	Φ52	Φ52	Φ52	Φ52
WEIGHT	145g	145g	145g	145g	145g
MATCHED SENSOR	TS-1/2; TS-3/8 TS-M14; TS-M16	OPS-Y1; OPS-Y2 OPS-L1; OPS-L2	TS-1/2; TS-3/8 TS-M14; TS-M16	UNIVERSAL	UNIVERSAL

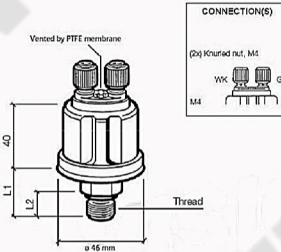
CUMMINS TYPE GAUGE					
PHOTO					
MODEL	3015232	3015233	3015234	3015235	HOURL GAUGE 3035766
DESCRIPTION	OIL PRESSURE	OIL TEMPERATURE	WATER TEMPERATURE	VOLTAGE	HOURL METER
VOLTAGE	DC 24V	DC 24V	DC 24V	DC 24V	6-80V
RANGE	0-865KPA 0-125PSI	60-160°C 140-320F	66-121°C 150-250F	20-32V	0-99999
SIZE (mm)	Φ52	Φ52	Φ52	Φ52	Φ52
WEIGHT	145g	145g	145g	145g	145g
MATCHED SENSOR	3015237-1P 3015237-2P	3015238	3015238	UNIVERSAL	UNIVERSAL

UNIVERSAL TACHOMETER							
PHOTO	P/N	DESCRIPTION	RANGE(RMP*100)	VOLTS	FLYWHEEL TEETH RANGE	SIZE (MM)	MATCHED SENSOR
	3031734	TACHMETER	0-30	10-32V	100-199T	Φ85	UNIVERSAL
	3049555	TACH & HOUR METER	0-30	10-30V	100-199T	Φ85	UNIVERSAL

OIL PRESSURE SENSOR



VDO TYPE		
	standard	Optional
Pressure range:	0-10BAR	0-5BAR 0-6BAR
Thread:	1/8-27NPT	M10*1.5
Sender resistance range:	10 - 184 Ohm	10 - 184 Ohm
Sensor signal:	common ground	Isolated ground
Warning contact:	0.80± 0.30 Bar	1± 0.30 Bar



CUMMINS TYPE		
	standard	Optional
Pressure range:	0-10BAR	0-5BAR 0-6BAR
Thread:	1/8-27NPT	M10*1.5
Sender resistance range:	10 - 184 Ohm	10 - 184 Ohm
Sensor signal:	common ground	Isolated ground
Warning contact:	0.80± 0.30 Bar	1± 0.30 Bar



MURPHY		
	standard	Optional
Pressure range:	0-10BAR	0-5BAR 0-6BAR
Thread:	1/8-27NPT	M10*1.5
Sender resistance range:	10 - 184 Ohm	10 - 184 Ohm
Sensor signal:	common ground	Isolated ground
Warning contact:	0.80± 0.30 Bar	1± 0.30 Bar

TEMPERATURE SENSOR



VDO TYPE	
Thread:	1/2-14 NPTF
Temp range:	0°C-120°C
Warning contact:	103 °C ± 3 °C
Sensor signal:	common ground
Operating voltage:	6 - 24 V DC
Resistor range:	287.4 - 22.7 Ohm



VDO TYPE	
Thread:	M16*1.5
Temp range:	40°C-120°C
Warning contact:	98°C±3°C
Sensor signal:	common ground
Operating voltage:	6-24VDC
Resistor range:	287.4-22.7 ohm

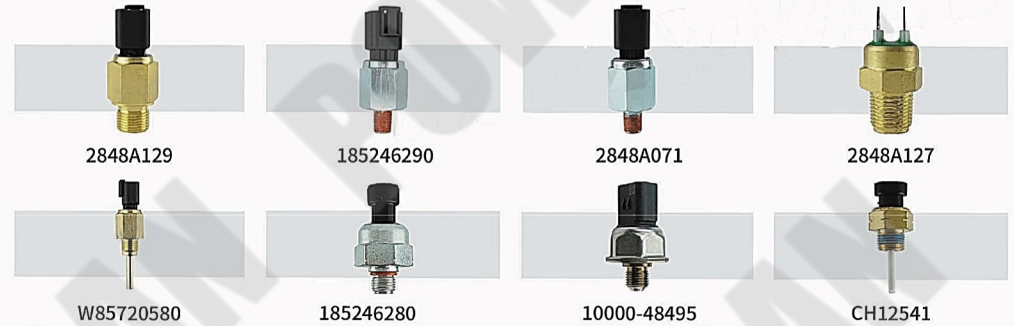


VDO TYPE	
Thread:	3/8NPT
Temp range:	40°C-120°C
Warning contact:	98°C ± 3 °C
Sensor signal:	common ground
Operating voltage:	6 - 24 V DC
Resistor range:	287.4 - 22.7 Ohm



VDO TYPE	
Thread:	M14*1.5
Temp range:	40°C-120°C
Warning contact:	98°C ± 3 °C
Sensor signal:	6 - 24 V DC
Operating voltage:	common ground
Resistor range:	6 - 24 V DC

PERKINS



Magnetic Speed Pickup Sensor



3/8 - 24 UNF Threaded	MSP6729	MSP6730	MSP6731	MSP6742		
3/4 - 16 UNF Threaded	MSP6724	MSP6734	MSP6735	MSP6744		
5/8 - 18 UNF Threaded	MSP674	MSP675	MSP676	MSP677	MSP678	MSP679
M16 x 1.5 Threaded	MSP6714	MSP6715	MSP6723			
M18 x 1.5 Threaded	MSP6741					

The characteristic parameters

Symbol	Values												Units
$I_F(AV)$	16	20	25	35	40	50	70	100	110	150	200	250	A
V_{RPM}	25	30	39	55	63	79	110	157	173	236	314	392	A
I_{FSMS}	290	360	450	630	720	900	1260	1800	1980	2700	3600	4500	A
I_{FSM}	0.1	0.2	0.3	0.4	0.45	0.5	1	1.8	2.5	5	7.5	10	$10^3 A^2 s$
$I^2 t$	≤ 1.2						≤ 1.5			≤ 1.8			V
V_{FM}	≤ 5 ($V_R=V_{RRM}, T_J=150^\circ C$)						≤ 8			≤ 10			mA
I_{RRM}	1000~1600												V
V_{ISO}	2500												V
T_J	$-40 \sim +150$												$^\circ C$
T_C	85												$^\circ C$
T_{stg}	$-40 \sim +150$												$^\circ C$
a	1250												g



The characteristic parameters

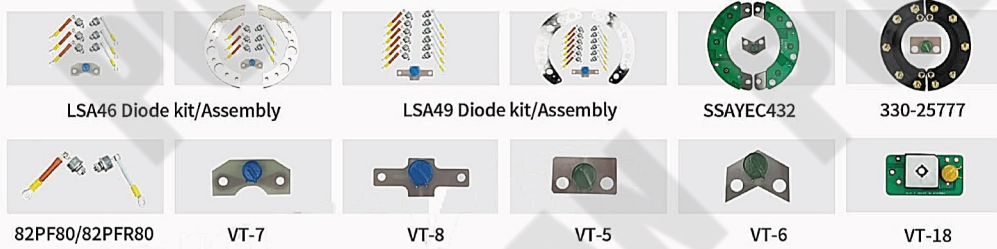
Model:	XZ-1 (BC 164/184), XZ-2 (224/274), XZ-3 (314), XZ-4 (354), XZ-5, XZ-6, XZ-7, XZ-8					Test conditions	Units
Parameter	Values					Test conditions	Units
$I_F(AV)$	15	25	35	40	70		A
V_{RPM}	800~1600					$T=150^\circ C$	V
V_{RSM}	$V_{RSM}=1.1 \times V_{RRM}$					$T=150^\circ C$	V
I_{FSM}	270	450	630	720	1260	$T=25^\circ C$ (10ms)	A
V_{FM}	≤ 1.4		≤ 1.5			$IFM=IF(AV) \times II$; $T=25^\circ C$	V
I_{RRM}	$\leq 5mA$					$T=150^\circ C$; $V_R=V_{RRM}$	mA
Viso	2500						V
a	1250					旋转半径: 120mm; 转速: 2160rpm	g

STAMFORD RECTIFIER

	DIODE	VARIATOR	DIODE KIT	ASSEMBLY
RSK1101 (ZX25A)		VT-2		
RSK2001 (ZX25A)		VT-3		
RSK5001 (ZX40A)		VT-4		
RSK6001 (ZX70A)		VT-4		

Rotations 3-Phase Half Bridge Modules

LEROY SOMER GENERATOR



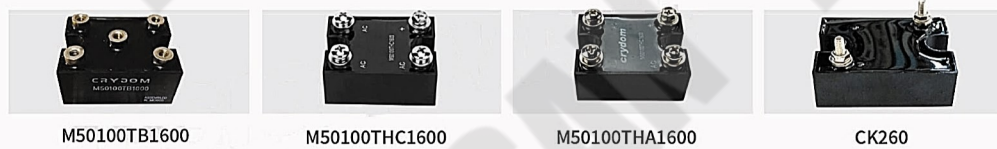
MECCALTE GENERATOR



MARATHON GENERATOR



CATERPILLAR



OTHER VARISTORS



POWER THYRISTOR/THYRISTOR MODULES AND THYRISTOR/DIODE MODULES

Bridge Rectifier

















Rotation Bridge Modules




Thyristor Moudles



SOLENOID


	<ul style="list-style-type: none"> SA-3933-12 SA-3933-24 SA-3766T-12 SA-3766T-24 1751-1267U1B1S5A 1751-2467U1B1S5A 1751ES-12E7U1B1S5 1751ES-24E7U1B1S5 		<ul style="list-style-type: none"> 3357411 3355427 2TB130805 961000780034
	<ul style="list-style-type: none"> 3919422 3919423 3934171 3800603 1753ES-12A6UC3B1S1 1753ES-24A6UC3B1S1 SA-3665-12 SA-3665-24 SA-4754-12 SA-4754-24 		<ul style="list-style-type: none"> 3930233 3930234 3923680 SA-4335-12 SA-4335-24
	<ul style="list-style-type: none"> 3991167 3991168 3964627 3964628 SA-4941-12 SA-4941-24 J932529 J930658 J931167 		<ul style="list-style-type: none"> 3935649 3935650 3965091 3970416 SA-4764-12 SA-4764-24 2T0201114A
	<ul style="list-style-type: none"> SA-4269-12 SA-4269-24 600-815-7550 		<ul style="list-style-type: none"> SA-2696-A SA-5174-12 SA-5174-24 2001-12E3U1B2S2 2001-24E3U1B2S2 2001ES-12E3U1B2S2 2001ES-24E3U1B2S2
	<ul style="list-style-type: none"> 612600180681 		<ul style="list-style-type: none"> 612600180175
	<ul style="list-style-type: none"> 3932017 Z3900107 SA-3742-12 SA-3742-24 B7605-1115030A, 		<ul style="list-style-type: none"> 366-07197 366-07198 SA-3405T
	<ul style="list-style-type: none"> SA-4567-T SA-4569-T 1503ES-12A5UC5S 1503ES-24A5UC5S 17454-60010 16616-60010 		<ul style="list-style-type: none"> SA-4562-T SA-5213-12 1503ES-12S5SUC5S 1503ES-24S5SUC5S 119653-77950 119285-77950

SOLENOID


	<ul style="list-style-type: none"> 0410-3811 0410-3812 		<ul style="list-style-type: none"> 3017993
	<ul style="list-style-type: none"> 0427-2733 0427-2734 		<ul style="list-style-type: none"> 3018453
	<ul style="list-style-type: none"> 0428-7116 0428-7583 0428-7584 		<ul style="list-style-type: none"> 3054609
	<ul style="list-style-type: none"> 021-13788 021-13789 0419-9900 0419-9901 		<ul style="list-style-type: none"> 3054610
	<ul style="list-style-type: none"> 6686715 0427-2956 0427-2957 		<ul style="list-style-type: none"> XHQ-12V XHQ-24V
	<ul style="list-style-type: none"> 17208-60015 17208-60016 17208-60010 		<ul style="list-style-type: none"> U85206452
	<ul style="list-style-type: none"> 6670776 16851-60011 16851-60013 16851-60015 052600-4530 		<ul style="list-style-type: none"> 129612 52100

AUTOMATIC TRANSFER SWITCH

AUTOMATIC TRANSFER SWITCH

VISION ATS	Model	AMP	Weight/piece	volume/piece (cm)	Nos/CARTON
	SUQ2-63	SUQ2-63	2.5kg	38.5*30*37	6
	VSQ3-100A	16-100A	4kg	38.5*30*37	6
	VSQ3-160A	125-160A	7kg	45.5*37.5*25.5	2
	VSQ3-250A	180-250A	9.5kg	46.5*45*29	2
	VSQ3-400A	315-400A	17.5kg	59*30*33.5	1
	VSQ3-630A	500-630A	18.5kg	53*30*33.5	1
	VSQ3-1000A	800-1000A	47.5kg	72*40*39	1
	VSQ3-1250A	900-1250A	50kg	72*40*39	1
	VSQ3-1600A	1300-1600A	52.5kg	72*40*39	1
	VSQ3-2000A	1700-2000A	108kg	72*40*39	1
	VSQ3-2500A	2100-2500A	111kg	72*40*39	1
	VSQ3-3200A	2600-3200A	118kg	72*40*39	1

OTHER BRANDS AUTOMATIC TRANSFER SWITCH

SMARTGEN ATS					
	SGQ-63A-2P	SGQ-63A-3P	SGQ-63A-4P	SGQ-125A-2P	SGQ-125A-3P
	SGQ-125A-4P	SGQ-250A-3P	SGQ-250A-4P	SGQ-400A-3P	SGQ-400A-4P
	SGQ-630A-3P T	SGQ-630A-4P T	SGQ-630A-3P M	SGQ-630A-4P M	SGQ-800A-3P
	SGQ-800A-4P	SGQ-1000A-3P	SGQ-1000A-4P	SGQ-1250A-3P	SGQ-1250A-4P

AISIKAI ATS					
	SKX2-20/4P	SKX2-40/4P	SKX2-63/4P	SKX2-80/4P	SKX2-100/4P
	SKXT1-125/4P	SKXT1-160/4P	SKXT1-250/4P	SKXT1-400/4P	SKXT1-630/4P
	SKXT1-800/4P	SKXT1-1000/4P	SKXT1-1250/4P	SKXT1-1600/4P	SKXT1-2000/4P
	SKXT1-2500/4P	SKXT1-3200/4P			

AUTOMATIC TRANSFER SWITCH CABINET

ITEMS	Standard	More option	Spec example
ATS:	VISION	SMARTGEN/AISIKAI	VSQ3-100A
Controller:	SMARTGEN	AISIKAI/DEESEA	HGM420N
Charger:	SMARTGEN	BAC06A-12V	BAC06A-12V
Circuit breaker:	CHINT	Specified	ABB
Relay:	CHINT	Specified	ABB
Voltage:	400V/230V	400V/230V	400V/230V
Frequency:	50HZ	60HZ	50HZ
Current:	20-2000kw alternator	20-2000kw	40kw alternator
Cabinet material:	Thickness 1.5mm	Customization 1.0-2.0mm	Thickness 1.5mm
Cabinet Size:	Customization	Customization	700*500*250
Box installation way:	Landing mounted	Hanging mounted	Landing mounted
Paking:	Wrapping film	Carton	Wrapping film



BRUSH/GASOLINE AVR

BATTERY CHARGER



◆ **2KW**
GASOLINE 2KW-3KW

-Exciting Voltage:AC90V-120V
-Output Voltage: 110V-220V
-Output current: DC<3.5A



◆ **5KW**
GASOLINE 5KW-8KW

-Exciting Voltage:AC90V-120V
-Output Voltage: 110V-220V
-Output current: DC<3.5A



◆ **S-186F**
WELDING GENERATOR AVR

-Input Voltage: AC15-99V
-Output Voltage:DC13.5±0.5V
-Output Current: 3.5A



◆ **HI-186F**
WELDING GENERATOR AVR

-Input Voltage: AC15-99V
-Output Voltage:DC13.5±0.5V
-Output Current: 3.5A



◆ **CHARGER-4A**
INTELLIGENT

-Voltage: Input 160-277VAC
-Voltage:Output 12/24V
-Current: 4A
-Frequency:20-100Hz



◆ **CHARGER-6A**
INTELLIGENT

-Voltage: Input 160-277VAC
-Voltage:Output 12/24V
-Current: 6A
-Frequency:20-100Hz



◆ **CHARGER-10A**
INTELLIGENT

-Voltage: Input 160-277VAC
-Voltage:Output 12/24V
-Current: 10A
-Frequency:20-100Hz



◆ **10A**
INTELLIGENT

-Voltage:Output 0-24V
-Current: 10A
-Frequency:50/60Hz



◆ **GB-110**
BRUSH

-Sensing input:
400Vac 1 phase 2wires
-Exciting Voltage:20-100Vdc
-Shunt Current:20A



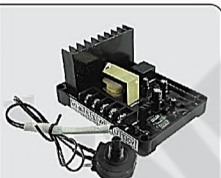
◆ **GB-130**
BRUSH

-Sensing input:
400Vac 1 phase 2wires
-Exciting Voltage:20-100Vdc
-Shunt Current:8A



◆ **GB-160/GB170**
BRUSH

-Sensing input:
GB-160 112/220Vac
GB-170 400Vac 3phase
-Exciting Voltage:20-100Vdc
-Shunt Current:10A



◆ **GB-160/170**
BRUSH

-Sensing input:
GB-160 112/220Vac
GB-170 400Vac 3phase
-Exciting Voltage:20-100Vdc
-Shunt Current:10A



◆ **BC-12-5**
CHARGER

-Input:160-240vac
0.9A
50/60HZ
-Output:+13.8V



◆ **BC-24-5**
CHARGER

-Input:160-240vac
0.9A
50/60HZ
-Output:+27.6V



◆ **CHR-1445**
CHARGER

-Power:80-250VAC
50/60HZ
-Output:12VDC 3.5ADC



◆ **CHR-2685**
CHARGER

-Power:80-250VAC
50/60HZ
-Output:24VDC 3.5ADC

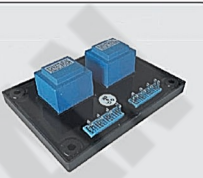


◆ **ETC-1/2/3**
EVOTEC



◆ **STL-F-1/2/3**
BRUSH

-Sensing input:
220/400Vac 1 phase 2wires
-Exciting Voltage:20-100Vdc
-Shunt Current:
STL-F-1 15A
STL-F-2 25A
STL-F-3 30-50A



◆ **E000-22070**

Isolation transformer PCB
-Input:500Vac(250Vac)50/60Hz
-Output:207Vac 50/60HZ



◆ **EP200**
Parallelling Module

-Apply for C.T.N:5A, N:1A



◆ **BAC06A**
SMARTGEN

-Floating charge
-two-stage charge
12V6A/24V3A



◆ **BAC2405**
SMARTGEN

-Floating charge
short circuit and
reversal protection
24V5A



◆ **BAC2410**
SMARTGEN

-Floating charge,
-two-stage charge,
-Power factor compensation
24V10A







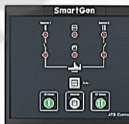







◆ **BAC1210**
SMARTGEN

-Floating charge,
-two-stage charge,
12V10A

	<p>DSE501K</p> <p>Main function</p> <ul style="list-style-type: none"> *Low oil pressure *High water temperature *Auxiliary stop *Over speed protection *Charging failure alarm <p>OVERALL SIZE 72x72x118.5mm</p>		<p>DSE710</p> <p>Main function</p> <ul style="list-style-type: none"> *Automatic electricity detection *Emergency stop control *Remote manual start / stop *Startup delay control <p>OVERALL SIZE *182x137mm</p>
	<p>DSE520</p> <p>Main function</p> <ul style="list-style-type: none"> *Start and stop control *Engine testing *Alarm protection <p>OVERALL SIZE *140x70mm</p>		<p>DSE720</p> <p>Main function</p> <ul style="list-style-type: none"> *Automatic electricity detection *Emergency stop control *Remote manual start / stop *Startup delay control *Auto main Failure control <p>OVERALL SIZE *182x137mm</p>
	<p>DSE701AS/MS</p> <p>Main function</p> <ul style="list-style-type: none"> *Emergency parking control *Start motor automatic detection *Preheating control <p>OVERALL SIZE *68X68mm</p>		<p>DSE3110</p> <p>Main function</p> <ul style="list-style-type: none"> *Configurable inputs/outputs *Remote start input *Engine pre-heat *Large back-lit icon LCD display *DSE Configuration Suite PC Software <p>OVERALL SIZE *98 mm x 79 mm x 40 mm</p>
	<p>DSE702AS/MS</p> <p>Main function</p> <ul style="list-style-type: none"> *Emergency parking control *Start motor automatic detection *Preheating control <p>OVERALL SIZE *77x65mm</p>		<p>DSE4620</p> <p>Main function</p> <ul style="list-style-type: none"> *Configurable inputs & outputs. *Generator overload protection (KW) *Fuel & crank outputs *Magnetic pick-up speed sensing *DSE Configuration Suite PC Software <p>OVERALL SIZE *140 mm x 113 mm x 43 mm</p>
	<p>DSE704</p> <p>Main function</p> <ul style="list-style-type: none"> *Emergency stop control *Start motor automatic detection *Preheating control *Controlled oil control <p>OVERALL SIZE *149x109mm</p>		<p>DSE4520</p> <p>Main function</p> <ul style="list-style-type: none"> *CAN & alternator speed sensing. *Backed-up real time clock *Power save mode *3-phase generator and mains (utility) sensing <p>OVERALL SIZE *140 mm x 113 mm x 43 mm</p>
	<p>DSE705</p> <p>Main function</p> <ul style="list-style-type: none"> *Load conversion control *Led indication fault information *Configurable input/output *Configurable timer <p>OVERALL SIZE *149x109mm</p>		<p>DSE5110</p> <p>Main function</p> <ul style="list-style-type: none"> *Analogue inputs *Lon Based fault diagnostics *PC configurable *LCD LED alarm indication <p>OVERALL SIZE *220x160mm</p>

	<p>DSE5120</p> <p>Main function</p> <ul style="list-style-type: none"> *Analogue inputs *Lon Based fault diagnostics *PC configurable *LCD LED alarm indication *Auto mains failure detection <p>OVERALL SIZE *220x160mm</p>		<p>DSE7210</p> <p>Main function</p> <ul style="list-style-type: none"> *Configurable inputs/outputs *Power save mode *Multiple date and time scheduler *Charge alternator failure alarm <p>Installation size *240mmx181mmx42mm</p>
	<p>DSE5210</p> <p>Main function</p> <ul style="list-style-type: none"> *Front programming *Remote monitoring *LED alarm indication *SMS messaging <p>OVERALL SIZE *220x160mm</p>		<p>DSE7220</p> <p>Main function</p> <ul style="list-style-type: none"> *Configurable inputs/outputs *Power save mode *Multiple date and time scheduler *Charge alternator failure alarm *Automatic load transfer <p>Installation size *240mmx181mmx42mm</p>
	<p>DSE5220</p> <p>Main function</p> <ul style="list-style-type: none"> *Front programming *Remote monitoring *LED alarm indication *SMS messaging *Automatic load transfer <p>OVERALL SIZE *220x160mm</p>		<p>DSE7310</p> <p>Main function</p> <ul style="list-style-type: none"> *USB connectivity *Backed up real time colck *Configurable display languages *Configurable suite PC software <p>Installation size *240mmx181mmx42mm</p>
	<p>DSE6020</p> <p>Main function</p> <ul style="list-style-type: none"> *Heated display option *Generator overload protection (kW) *Configurable analogue/digital inputs *Automatic mains (utility) failure detection <p>OVERALL SIZE *216 mm x 158 mm x 43 mm</p>		<p>DSE7320</p> <p>Main function</p> <ul style="list-style-type: none"> *USB connectivity *Backed up real time colck *Configurable display languages *Configurable suite PC software <p>Installation size *240mmx181mmx42mm</p>
	<p>DSE6110</p> <p>Main function</p> <ul style="list-style-type: none"> *Front panel editing *LED and LCD alarm indication *Configurable timers and alarms *Remote Start inport 		<p>DSE7420</p> <p>Main function</p> <ul style="list-style-type: none"> *SNMP GET, SET & TRAP support built-in *Configurable digital inputs (8) *Integral PLC editor *Configurable CT positioning <p>Installation size *245 mm x 184 mm x 51 mm</p>
	<p>DSE6120</p> <p>Main function</p> <ul style="list-style-type: none"> *Front panel editing *LED and LCD alarm indication *Configurable timers and alarms *Remote Start inport *Automatic load transfer 		<p>DSE8610</p> <p>Main function</p> <ul style="list-style-type: none"> *Extended PLC function types *Two RS485 ports *Configurable inputs/outputs (12/8) *Remote communications *DSE Configuration Suite PC Software <p>Installation size *245 mm x 184 mm x 51 mm</p>













	<p>HGM180HC</p> <p>Main function *With run hour LCD display *DC Supply:DC(8~35)V *Case Dimensions: 84*72*35mm *Panel Cutout: 78*66mm</p>		<p>SG72A</p> <p>Main function *RS232 to USB, RS485 to USB, LINK to USB, *Case Dimensions 72*51*27mm</p>
	<p>HGM410N</p> <p>Main function *Single unit automation + remote signal start/stop *Alternator Voltage: (15~360)V(ph-N) *DC Supply:DC(8~35)V *Case Dimensions: 126*109*44mm *Panel Cutout:110*90mm</p>		<p>HGM420N</p> <p>Main function *Single unit automation + remote signal start/stop *Alternator Voltage: (15~360)V(ph-N) *DC Supply:DC(8~35)V *Case Dimensions: 126*109*44mm *Panel Cutout:110*90mm</p>
	<p>HGM4010N</p> <p>Main function *8 languages display+ single unit automation+ remote monitoring *Digital Input:5(Two Multi-function) *Monitor Interface:RS485 *Programmable Interface:USB *DC Supply:DC(8~35)V *Case Dimensions:135*110*44mm *Panel Cutout:116*90mm</p>		<p>HGM4020N</p> <p>Main function *8 languages display +AMF+ suitable for one mains one unit system *Digital Input:5(Two Multi-function) *Monitor Interface:RS485 *Programmable Interface:USB/RS485 *DC Supply:DC(8~35)V *Case Dimensions:135*110*44mm *Panel Cutout:116*90mm</p>
	<p>HGM1790N</p> <p>Main function *suit for single unit automation and monitoring control (also can be used for pinging unit). *Digital Input:1 *AC System:1P2W *Programmable Interface: USB *DC Supply:DC(8-35)V *Case Dimensions:95*86*46.5mm *Panel Cutout:78*66mm</p>		<p>HGM6110N</p> <p>Main function *Single unit automation + remote signal start/stop *Digital Input:5 *Programmable Interface:USB *DC Supply:DC(8~35)V *Case Dimensions:209*166*44mm *Panel Cutout:186*141mm</p>
	<p>HGM6120N</p> <p>Main function *AMF+ one mains one gen system *AC System: 1P2W/2P3W/3P3W/3P4W *Programmable Interface: USB *DC Supply:DC(8~35)V *Case Dimensions:209*166*44mm *Panel Cutout:186*141mm</p>		<p>HGM9310</p> <p>Main function *Schedule function, real-time clock event logs, SMS *Monitor Interface:RS485 *Programmable Interface:USB/RS485 *DC Supply:DC(8~35)V *Case Dimensions:237*172*45mm *Panel Cutout:214*160mm</p>
	<p>HGM9320</p> <p>Main function *Schedule function, real-time clock, event logs, SMS, AMF *Monitor Interface: RS485 *Programmable Interface: USB/RS485 *DC Supply:DC(8-35)V *Case Dimensions:237*172*45mm *Panel Cutout:214*160mm</p>		<p>HGM9510</p> <p>Main function *4.3inches TFT-LCD, multi-units parallel,RS485 *Monitor Interface:RS485 *Programmable Interface:USB/RS485 *DC Supply:DC(8-35)V *Case Dimensions:266*182*45mm *Panel Cutout:214*160mm</p>




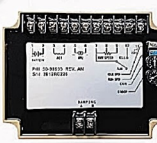


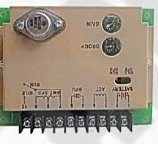







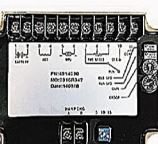









	<p>HVD300</p> <p>Main function *Voltage Detection Module *Alternator Voltage: AC30V~AC620 V (ph-ph) *Alternator Frequency: 50Hz/60Hz/400Hz *DC Supply:DC(8~35)V *Case Dimensions:89.7*71.6*60.7mm</p>		<p>HPD300</p> <p>Main function *Reverse Power Protection Module *Alternator Voltage: AC30V~ AC620 V (ph-ph) *Alternator Frequency: 50Hz/60Hz/400Hz *DC Supply:DC(8~35)V *Case Dimensions:89.7*71.6*60.7mm</p>
	<p>HEP300</p> <p>Main function *Overall Consumption <3W *(Standby mode: <=2W) DC Supply:DC(8~35)V *Case Dimensions:89.7*71.6*60.7mm</p>		<p>HAT310N</p> <p>Main function *Economic type ATS Controller *Alternator Voltage:(160~280)V(ph-N) Alternator Frequency:50/60Hz *Applicable Switch Type: PC Two-stage and CC Switch *Case Dimensions:110*77.5*55mm Panel Cutout:65*65.1mm</p>
	<p>HAT520N</p> <p>Main function *Suitable for NO Breaking ATS. *Display:LED *AC System:1P2W/2P3W/3P4W *Alternator Frequency 50/60Hz *DC Supply :AC(170~277)V *Case Dimensions:139*120*50mm *Panel Cutout:130*111mm</p>		<p>HAT530N</p> <p>Main function *Suitable for NO Breaking ATS and ONE Breaking ATS *Display:LED *AC System :1P2W/2P3W/3P4W *Alternator Voltage:(170~277)V(ph-N) *Alternator Frequency:50/60Hz Case Dimensions:139*120*50mm Panel Cutout:130*111mm</p>
	<p>HAT560N</p> <p>Main function *PC Two-stage, PC Three-stage CB and CC switch *Alternator Voltage:(30~360)V(ph-N) *DC Supply:DC(8-35)V *Case Dimensions:139*120*48mm *Panel Cutout:130*111mm</p>		<p>HAT560NB</p> <p>Main function *PC Two-stage, PC Three-stage CB and CC switch *Alternator Voltage:(30~360)V(ph-N) *DC Supply:DC(8-35)V *Case Dimensions:139*120*48mm *Panel Cutout:130*111mm</p>
	<p>HAT600N</p> <p>Main function *DC power supply + applies to all ATS Alternator Voltage:(50~625)V(ph-N) *Monitor Interface:RS485 *Programmable Interface:LINK/RS485 *Applicable Switch Type:All types *DC Supply:DC(8~35)V *Case Dimensions:09*153*55mm *Panel Cutout:186*141mm</p>		<p>HAT600NB</p> <p>Main function *DC + AC power supply + apply to all ATS Alternator Voltage:(50~480)V(ph-N) Monitor Interface:RS485 Programmable Interface:LINK/RS485 Applicable Switch Type:All types DC Supply:DC(8~35)V/AC 220V Case Dimensions:209*153*55mm Panel Cutout:186*141mm</p>
	<p>HAT600NBI</p> <p>Main function *DC + AC panel, Suitable supply + *AC current/power detection and display *Alternator Voltage:(50~480)V(ph-N) *Monitor Interface:RS485 *Programmable Interface:LINK/RS485 *Applicable Switch Type:All types *DC Supply:DC(8~35)V/AC 220V *Case Dimensions:209*153*55mm *Panel Cutout:186*141mm</p>		<p>HAT700BI</p> <p>Main function *Silicone panel, Suitable for SGQ ATS, Current detection, AC power-supply *Alternator Voltage:(50~280)V(ph-N) *Monitor Interface:RS485 *Programmable Interface:LINK/RS485 *Applicable Switch Type:PC Two-stage, PC Three-stage, CB and CC switch *DC Supply:DC(8-35)V *Case Dimensions:197*152*47mm *Panel Cutout:186*141mm</p>

WILSON&SMARTGEN CONTROLLER

	<p>EIM BASIC 12V 258-9753</p> <p>*The EIM is utilised in conjunction with control panels equipped with overspeed shutdown</p>		<p>EIM BASIC 24V 258-9755</p> <p>*The EIM is utilised in conjunction with control panels equipped with overspeed shutdown</p>
	<p>EIM PLUS 12V 630-465</p> <p>*The EIM plus is used in conjunction with control panels not equipped with overspeed shutdown</p>		<p>EIM PLUS 24V 630-466</p> <p>*The EIM plus is used in conjunction with control panels not equipped with overspeed shutdown</p>
	<p>12V PCB 650-044</p> <p>*Apply for CAT Generator *For Olympian or F.G. Wilson</p>		<p>24V PCB 650-045</p> <p>*Apply for CAT Generator *For Olympian or F.G. Wilson</p>
	<p>12V PCB 650-091</p> <p>*Apply for CAT Generator *For Olympian or F.G. Wilson</p>		<p>24V PCB 650-092</p> <p>*Apply for CAT Generator *For Olympian or F.G. Wilson</p>
	<p>Powerwizard 1.1+</p> <p>Main function: *AC Volts, Current and Frequency metering *DC metering-Batt Volts, Engine Hours Run, rpm, Engine, Temperature and Oil pressure *2 Analogue inputs *6 programmable input channels *6 programmable relay outputs *CAN1 J1939 Data Link</p>		<p>Powerwizard 2.0</p> <p>Main function: *2 Analogue inputs *6 programmable input channels *8 programmable relay outputs *1 programmable sink output *CAN1 J1939 Data Link *CAN2 J1939 Data Link *SCADA RS485 Modbus remote monitoring and control *CAN1 J1939 Data Link</p>
	<p>EMCP 4.1</p> <p>Main function: *Auto / Start / Stop Control *Speed and Voltage Adjust *Engine Cycle Crank *24-volt DC operation *Environmental sealed front face</p>		<p>EMCP 4.2</p> <p>Main function: *Auto / Start / Stop Control *Speed and Voltage Adjust *Engine Cycle Crank *Programmable Cycle Timer *24-volt DC operation *Environmental sealed front face</p>

DATAKOM&COMAP CONTROLLER

	<p>DKG105</p> <p>*Automatic engine starting and stopping *Automatic mains failure monitoring *Digitally adjust datas *Digital engine run-hour display *Overall size:72*72MM</p>		<p>DKG155</p> <p>*Microprocessor controlled *Manual fuel control and start *Digital display of generator frequency *Survives cranking dropouts *Overall size:72*72MM</p>
	<p>DKG307</p> <p>*ECU connection through J1939 CAN option *MPU input option *Dual genset mutual standby operation *Event logging with time stamp and measurements *Battery backed-up real time clock *Built in daily / weekly / monthly exerciser *Weekly operation schedule programs *Field adjustable parameters *RS-232 serial port</p>		<p>MRS-11</p> <p>*Manual and remote start *Full gen-set monitoring and protection *Multiple languages *Automatic and manual GCB control *Overall size:185*125*58mm</p>
	<p>MRS-10</p> <p>*Manual and remote start *Full gen-set monitoring and protection *Multiple languages *D+ preexcitation terminal *Overall size185*125*58mm</p>		<p>AMF-20</p> <p>*Auto Mains Failure (AMF) *Full gen-set monitoring and protection *Running hours event and performance log *Multiple languages *Automatic SMS *Overall size:185*125*58mm</p>
	<p>MRS-16</p> <p>*Manual and remote start *Full gen-set monitoring and protection *Multiple languages *Automatic and manual GCB control *Earth fault current protection *Overall size:185*125*58mm</p>		<p>IL-NT TLC</p> <p>*WebSupervisor, AirGate and LOCATE support *Air-conditioning control *Detailed RTC event and performance log *Earth fault current protection* *Overall size:185*125*58mm</p>
	<p>AMF-25</p> <p>*Auto Mains Failure (AMF) *Full gen-set monitoring and protection *Multiple languages *Automatic SMS *Dual mutual stand-by (Dual AMF) support *Overall size:185*125*58mm</p>		<p>ICNT-MINT</p> <p>*Gensets operating in multiple island and/or parallel to mains mode *Advanced Power Management for up to 32 gensets allowing *Active Load and VAR sharing *Possibility to connect up to 8 gauges *2 languages (user changeable) *Overall size:185*125*58mm</p>
	<p>GTR-17</p> <p>*Engine Protection *Systems status display by LED *Three keypads *Programmable parameters *Pluggable Euro type terminal *Overall size:72 * 72 *58 mm</p>		<p>GTR-168</p> <p>*Engine Protection *Systems status display by LED *Robust key switch *Programmable parameters *Pluggable Euro type terminal *Overall size:72 * 72 *58 mm</p>

	<p>ESD5500E</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <90% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>ESD5111</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>3044195</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ 		<p>3098693</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ
	<p>ESD5522E</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <90% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>ESD5120</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>4913988</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ 		<p>3037359</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ
	<p>ESD5550E</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Overspeed set range 2KHZ-8.5KHZ 		<p>ESD5330</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-10A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>3044196</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>S6700E</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range 40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ
	<p>ESD5570E</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Overspeed set range 2KHZ-8.5KHZ 		<p>LSM672</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output voltage 0-7.5V DC *AC input voltage 260-420V AC *CT limited current 5-6.5A *Load-sharing range 0-100% *Temperature range -40 C~85 C 		<p>4914090</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Delay 0-30s 		<p>S6700H</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range 40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ
	<p>ESD5221</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range 40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Overspeed set range 2KHZ-8.5KHZ 		<p>SYC6714</p> <ul style="list-style-type: none"> *Working Voltage 10-40V DC *Output voltage 0.3-7V DC *output current range <200mA *capture range 32-50HZ. ±4% *closing angle range 1-25 C *temperature range -40 C~85 C 		<p>4914091</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Delay 0-30s 		<p>EG2000</p> <ul style="list-style-type: none"> *Operating Voltage 10 to 32 Vdc *Outputs Current Continuous 7A, Max. 15A for 10s *MPU Frequency input 10 to 10,000 Hz *MPU Voltage input1 to 120 Vac *Idle Adjustment Range 30 to 90% of Normal Speed
	<p>ESD5220</p> <ul style="list-style-type: none"> *Working Voltage 12-32V DC *Output current range 0-5A *Speed sensor signal 0.5-120V RMS *Temperature range 40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ *Overspeed set range 2KHZ-8.5KHZ 		<p>SYC6714+</p> <ul style="list-style-type: none"> *Working Voltage 24V DC *Output current range <20mA *Generator voltage AC110V~400V *Network voltage AC110V~400V *Temperature range 40 C~85 C 		<p>3062322</p> <ul style="list-style-type: none"> *Working Voltage 24±8V DC *Output current range 0-2.5A *Speed sensor signal 0.5-120V RMS *Temperature range -40 C~85 C *Relative humidity <95% *Speed range 1K-7.5K HZ *Speed trim range ±200HZ 		<p>EG3000</p> <ul style="list-style-type: none"> *Operating Voltage 10 to 32 Vdc *Outputs Current Continuous 7A, Max. 15A for 10s *MPU Frequency input 10 to 10,000 Hz *MPU Voltage input1 to 120 Vac *Idle Adjustment Range 30 to 90% of Normal Speed