

EMERGENCY POWER SUPPLY 1-10KVA SMED SERIES



MAIN FEATURES

- High frequency PWM Inverter
- Single phase input
- Single phase sinewave output
- Isolation transformer on the inverter output
- High DC/AC efficiency
- Microprocessor management with Auto-Diagnostics
- LCD display for more clear information about the status
- Automatic on/off weekly timer
- Automatic and manual battery test (emergency version)
- Transfer time less than 200 msec
- Rescue or emergency operation (SA/SE) selectable
- Possibility of connection for any user normally destined for security

OPTIONAL

- Contact interface
- Communication interface (RS-232) and management software
- USB interface
- Kit Ethernet SNMP adapter and related software
- Remote synoptic LCD remote
- Relay alerts and status communication card
- Manual by-pass
- Emergency Power Off contact (E.P.O.) for immediate stop
- Possible starting even without input power
- Double out possibility SA+SE
- DC output
- Batteries Long Life 10 years expected (according to EN50171)

SMED TYPE		10	15	20	30	40	50	60	80	100
POWER	NOMINAL POWER (KVA)	1	1,5	2	3	4	5	6	8	10
	ACTIVE POWER (KW)	0,9	1,35	1,8	2,7	3,6	4,5	5,4	7,2	9
INPUT	VOLTAGE	230Vac +/-20%								
	FREQUENCY	50Hz +/-5%								
OUTPUT	VOLTAGE	Present mains: mains voltage On batteries: 230 Vac +/- 0,5%								
	FREQUENCY	Present mains: synchronized to mains On batteries: 50Hz +/- 0,005%								
	OVERLOAD	110% for 60 sec. - 130% for 10 sec. - short circuit management								
	WAVEFORM	Sine wave								
	VOLTAGE DISTORTION (THD)	< 3% (linear load)								
	EFFICIENCY at full load	Present mains > 98%; on batteries on> 91%								
BATTERIES	BACK-UP TIME	See the detailed tables								
	RECHARGE TIME	8h								
GENERAL NOTES	NOISE (dba at 1 meter)	< 40								
	TEMPERATURE	from 0 to 40 °C								
	RELATIVE HUMIDITY AT 35° C	To 90% non-condensing								
	UPS DIMENSIONS (L X P X H) mm	320 x 650 x 650 / 420 x 850 x 670 / 420 x 850 x 1050 (See the detailed tables)								
	PACKING DIMENSIONS (L X P X H) mm	420 x 740 x 850 / 530 x 920 x 760 / 530 x 920 x 1140 (See the detailed tables)								
	WEIGHT (KG) without batteries	See the detailed tables								
	COMPLIANCE	Safety EN 62040-1-2, EMC EN 62040-2, CSS EN 50171 (batteries excluded)								
PROTECTION	ELECTRONIC	Overload - short circuit - battery low								
	ELECTRIC	Input and batteries fuses – circuit breaker output								
	MECHANICAL	IP20								
ALARMS	OPTICAL	Functional emergency power system status - overload - low battery								
	SOUNDS ALERT	Mains fail - low batteries - overload - test battery								

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POWER	TYPE	CODE	AUT. (min.)	OVERALL (LxPxH) (mm)	BATTERIES	WEIGHT (Kg)
1000VA 900W	SMED10-10	4M1000-10	10'	320 x 650 x 650	n.4 12V-9Ah	68
	SMED10-30	4M1000-30	30'	320 x 650 x 650	n.12 12V-7Ah	82
	SMED10-60	4M1000-60	60'	320 x 650 x 650	n.20 12V-7Ah	108
1500VA 1350W	SMED15-10	4M1500-10	10'	320 x 650 x 650	n.8 12V-7Ah	74
	SMED15-30	4M1500-30	30'	320 x 650 x 650	n.20 12V-7Ah	108
	SMED15-60	4M1500-60	60'	320 x 650 x 650	n.24 12V-9Ah	122
2000VA 1800W	SMED20-10	4M2000-10	10'	320 x 650 x 650	n.8 12V-9Ah	91
	SMED20-30	4M2000-30	30'	320 x 650 x 650	n.20 12V-9Ah	128
	SMED20-60	4M2000-60	60'	320 x 650 x 650	n.32 12V-9Ah	157
3000VA 2700W	SMED30-10	4M3000-10	10'	320 x 650 x 650	n.12 12V-9Ah	103
	SMED30-30	4M3000-30	30'	320 x 650 x 650	n.24 12V-9Ah	141
	SMED30-60	4M3000-60	60'	420 x 850 x 1050	n.48 12V-9Ah	224
4000VA 3600W	SMED40-10	4M4000-10	10'	320 x 650 x 650	n.16 12V-9Ah	118
	SMED40-30	4M4000-30	30'	320 x 650 x 650	n.32 12V-9Ah	170
	SMED40-60	4M4000-60	60'	420 x 850 x 1050	n.60 12V-9Ah	268
5000VA 4500W	SMED50-10	4M5000-10	10'	320 x 650 x 650	n.20 12V-9Ah	138
	SMED50-30	4M5000-30	30'	320 x 650 x 650	n.40 12V-9Ah	201
	SMED50-60	4M5000-60	60'	420 x 850 x 1050	n.80 12V-9Ah	318
6000VA 5400W	SMED60-10	4M6000-10	10'	320 x 650 x 650	n.20 12V-9Ah	151
	SMED60-30	4M6000-30	30'	320 x 650 x 650	n.60 12V-9Ah	270
	SMED60-60	4M6000-60	60'	420 x 850 x 1050	n.120 12V-7Ah	403
8000VA 7200W	SMED80-10	4M8000-10	10'	420 x 850 x 670	n.40 12V-7Ah	187
	SMED80-30	4M8000-30	30'	420 x 850 x 1050	n.80 12V-9Ah	328
	SMED80-60	4M8000-60	60'	420 x 850 x 670 + 540 x 715 x 1250	n.40 12V-26Ah	95 + 415
10000VA 9000W	SMED100-10	4M10000-10	10'	420 x 850 x 670	n.40 12V-9Ah	214
	SMED100-30	4M10000-30	30'	420 x 850 x 1050	n.80 12V-9Ah	343
	SMED100-60	4M10000-60	60'	420 x 850 x 670 + 540 x 715 x 1250	n.40 12V-42Ah	105 + 620

ACCESSORIES

CODE	DESCRIPTION		
7001	Remote synoptic with 15mt cable		
7002-IN	Relay alarm communication card inside the E.P.S. (when ordering)		
7002	External relay alarm communication board (requires the addition of accessory 7012)		
7003	External SNMP Ethernet interface (requires the addition of the 7007R accessory)		
7006-70	Manual bypass for SMED 10-50		
7006-140	Manual bypass for SMED 60-100		
7007R	RS232 communication interface		
7011M	Contact for emergency button (E.P.O.) for immediate inverter stop		
7012	Contacts interface		
7018	USB interface		
GSC026040S	Box with 2x20 batteries 12V-26Ah and safety breaker	Overall 540 x 715 x 1250 mm	415 Kg
GSC042040S	Box with 2x20 batteries 12V-42h and safety breaker	Overall 540 x 715 x 1250 mm	620 Kg
7030	Battery Start button		
70SS-30D	Possibility of double output SA + SE for SMED 10-30		
70SS-100D	Possibility of double output SA + SE for SMED 40-100		