GENERAL SPECIFICATIONS

- 1 phase or 3 phase input (model dependent)
- Smart control and high reliability with DSP (Digital Signal Processor)
- Float charge, equalizing charge and boost charge modes
- Automatic and manual charge modes
- Low output voltage ripple and high reliability
- 2x16 character LCD display, showing measurements, status and alarm messages
- Soft start
- Led displays for easy observation of Rectifier status. Audible alarm.
- Programmable current limitation
- Operation as voltage source or current source
- Calibration of measurements from front panel
- Language selection from front panel (English / German / Turkish / Netherland / Portuguse)
- DC Low / High, Line Failure, Over Temperature, Short Circuit protections
- Ability to program all operation parameters (password protected)
- Programable alarm relay contact outputs (4 standart, up to 16 relays as option)
- Possibility of monitor and control over RS232-RS485. Modbus communication. *Option
- Log records with date and time stamp up the 200 events.
- Earth leakage monitoring *Option
- Ability to monitor batteries and battery low alarm, even when the AC input fails (option)
- Battery temperature compensation *Option
- Active parallel (current sharing) operation up to 4 devices *Option
- Easy observation via analog gauges (input / output / battery voltages / currents) *Option
- Battery test with adjustable voltage and duration *Option
- Transducers for input / output voltage(s) / current(s) (4-20mA and 0-10V) *Option
- 24 V / 48 V / 110 V / 220 V output options

TECHNICAL SPECIFICATIONS

INPUT	
Voltage	1-Phase 220Vac, 3-Phase 220/380 Vac
Voltage Tolerance	± 15%
Frequency	50/60 Hz.
Frequency Tolerance	±10%
Power Factor	1-Phase: 0.98 (THD 4%) / 3-Phae: 0.92 (THD 30%)
OUTPUT	
Voltage	24,48,100,220Vdc, -10% ... +35% (front panel selectable)
Current	15, 30, 60, 100A (4000* and 12000W**)
Current Limiting	I nom x 102% (selectable from front panel between) 0 and 102%
Ripple	<0,5%
Voltage Regulation	±0.5 % at float charge, ±1% at boost charge
Efficiency	3- Phase: >92% / 1- Phase: >85%
Protections	Input, output (thermal/magnetic) fuses, Advanced short circuit protection, Overvoltage protection, Overcurrent protection, Automatic restart
BATTERY	
Battery Charge Modes (Adjustable Charging voltages)	Automatic charge, boost charge: 2,4 V / Cell Float Charge: 2.25 V / Cell Incrementable by 1 hour up to 24 hours
Boost Charge Time	Incrementable by 1 hour up to 24 hours
LCD Properties	2x16 character-wide display, showing:Output voltage & current, Output voltage high/low Load(%), Log Records up to 200 logs with Real Time Clock Calender AC (AC available), Fault, Current limiting,
Displays	Automatic charge, Float charge, Boost charge, Common alarm
Alarms	Common relay contact output for AC input low, DC output low and overheat
Operation and control	Via menu selections from buttons on front panel
Endurable Dielectric Voltage	2000 V Input-Output 2000 V Input-Chasis 500 V Output - Chasis (For PS with output voltage <50 V) 1000 V Output - Chasis (For PS with output voltage >50 V)
GENERAL FETURES	
Case Dimensions	3-Phase: 19'' rack cabinet 5 U 54 cm / 1-Phase: 19'' rack cabinet 5 U 54 cm wallmount
Protection Class	IP20
Audible Noise 1m.	50dBA
Cooling	Mandatory cooling (Fan)
Weight	1- Phase PS < 20 kg 3- Phase PS < 30 kg
Operation Temperature	0°C.....40°C
Storing Temperature	-20°C... 70°C
Relative Humidity	98% (Non-condensing)
STANDARDS	
Standards	VDE,DIN 41773 (Battery charge characteristics) ANSI-NEMA PE 5 TS 2000 EN 62040-1, 2,

NOTE: All specifications subject to change without notice. Consult EPC's Technical Support Department for special applications. All names used above are registered trademarks of their respective owners.