



ELECTRONIC PROTECTION FUNCTIONS :

- Over charge protection
- Deep discharge protection
- Reverse polarity protection of load , module and battery
- Automatic electronic fuse
- Short circuit protection at module input
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Over temperature and overloadprotection
- Battery over voltage shutdown

FEATURES:

- Series controller
- Voltage regulation
- Automatic detection of voltage
- PMW control
- Multistage charging technology
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Common positive grounding or negative grounding on one terminal
- Integrated self test

OPTIONS :

- Night light function pre-set in the factory or adjustable via MAX PA RC100
- Parameterisation of function via PA RC100

CERTIFICATES:

- Compliant with European Standarts (CE)
- ROHS compliant

MODEL NO	PRS 1515	PRS 2020	PRS 3030
SYSTEM VOLTAGE	12V (24V)		
BATTERY INPUT VOLTAGE	9.0V - 17.0V (17.1V - 34.0V)		
MAX MODULE IPUT SHORT CIRCUIT CURRENT	15A	20A	30A
OPEN CIRCUIT SOLAR VOLTAGE MODULE	<47V		
MAX LOAD OUTPUT CURRENT	15A	20A	30A
MAX SELF CONSUMPTION	< 4 mA		
END OF CHARGE VOLTAGE(FLOAT)	13.9V (27.8V)		
BOOST CHARGE VOLTAGE , 1 H	14.4V (28.8V)		
EQUALISATION CHARGE(DEACTIVED FOR GEL ACCU), 1 H	14.7V (29.4V)		
RECONNECTION SETPOINT (SOC/LVR)	> 50% / 12.4V ~ 12.7V (24.8V ~ 25.4V)		
DEEPPDISCHARGE WARNING	< 40% / 11.7V ~ 12.3V (23.4V ~ 24.6V)		
DEEPPDISCHARGE PROTECTION(SOC/LVD)	< 30% / 11.2V ~ 11.6V (22.1V ~ 23.2V)		
AMBIENT TEMPERATURE ALLOWED	(-)25 °C to +50 °C		
TERMINAL SIZE (FINE / SINGLE WIRE)	16 mm ² /25 mm ²		
ENCLOSURE PROTECTION CLASS	IP 34		
DIMENSIONS (L x W x H)	187 x 96 x 45.3		
DIMENSIONS, INCHES (L x W x H)	7.36 x 3.78 x 1.78		
WEIGHT, KG	0.35		
WEIGHT, LB	0.77		

