



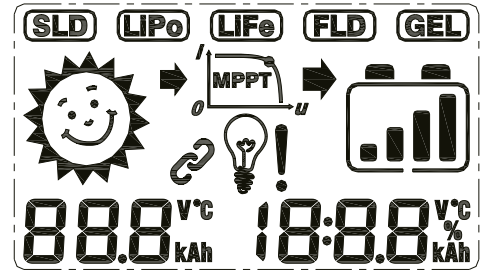
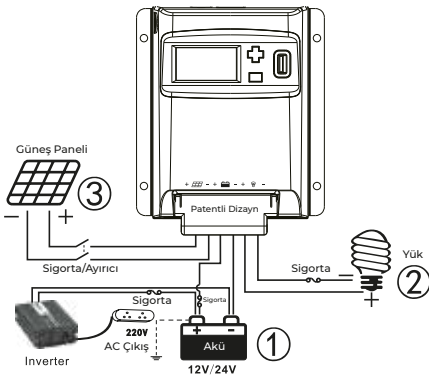
EMPPT 20
EMPPT 30

EMPPT 40
EMPPT 40 Plus

EMPPT

EMPPT20/EMPTT30/EMPTT40/EMPTT40Plus

- High Efficiency with Maximum Power Tracking Point Technology > 99.5%
- High Efficiency with High Quality Compensation and Technological Design > 97%
- Maximum energy draw with super-fast power monitoring point
- Safe operating with wide DC input range
- Able to select automatic operating voltage 12/24/36/48
- Understanding the working status with dynamic LCD
- Define easy operating mode with multiple keypads
- Determining multiple battery types, Gel, Dry, LifePO4
- Temperature controlled battery charging.
- Power statistics status
- RS485 communication.
- Communication with PC



MODEL	EMPPT 20	EMPPT 30	EMPPT 40	EMPPT 40 Plus
System Voltage		12/24v Auto		12/24/36/48V Auto
Battery Voltage Range		9~32V		8~64V
Charge Current	20A	30A	40A	40A
Discharge Current	20A	30A	40A	40A
Max Solar Input			100V	150V
Battery Type		user,Flood,AGM,LiFePO4,Lithium		user,Flood,AGM,LiFePO4,Lithium for 12V;*2 24V;*4 48V
Equalization Charge		SLD:14.6V,GEL:NULL,FLD:14.8V		SLD:14.6V,GEL:NULL,FLD:14.8V for 12V;*2 24V;*4 48V
Absorption Charge		SLD:14.4V,GEL:14.2V,FLD:14.6V		SLD:14.4V, GEL:14.2V,FLD:14.6V for 12V;*2 24V;*4 48V
Float Charge		SLD,GEL,FLD:13.8V		SLD, GEL, FLD:13.8V for 12V;*2 24V;*4 48V
Low Voltage Protection		SLD,GEL,FLD:10.8V		SLD,GEL,JEL,FLD:10.8V for 12V;*2 24V;*4 48V
Low Voltage Recovery		SLD,GEL,FLD:12.6V		SLD,GEL,JEL,FLD:12.6V for 12V;*2 24V;*4 48V
Self Consume		< 40mA		< 30mA
High Voltage Disconnection			16V	
Equalization Charge Time			2hours	
Absorption Charge Time			2hours	
Light Control Voltage			5V	
Temperature Compensation			-4mV/cell/°C	
Charge Loop Voltage Drop			0.29V	
Discharge Loop Voltage Drop			<0.16V	
Lcd Temperature Range			-20~70°C	
Operating Temperature			-20~55°C	
Storage Temperature			-30~80°C	
Waterproof Grade			IP30	
Size/Weight	174,5mmX145mmX50mm-/530g	195mmX160mmX60mm-/840g	215,5mmX174mmX65mm-/1,130kg	204mmX183mmX93,5mm-/2,54kg
Humidity			0~90% no condensation	
Grounding			positive grounding	

Note: Depending on the needs, technical specifications can be updated.