



D.P Electronics.e.K
(Deutsche Power)

MPPT. PHOTOVOLTAIC CHARGE CONTROLLER

MPPT - SOLAR CHARGE CONTROLLER

Deutsche Power

**Max. Efficiency up to 98%.
With Remote Telecom
Charger**

MPPT -PV CHARGE CONTROLLER

Product Descriptions Off-Grid Solar Inverter

With advanced maximum-power-tracking technology, Deutsche Power MPPT smart and Economy series ensures maximum performance from your solar array at all times and in all weather conditions. It's compatible to 4 different battery types, sealed lead acid, vented, gel and NiCad. Powder coated aluminum/ABS encloser with heavy thermal Fin-typed runway and easy wall mounted facility.

Applications

- * Remote Telecom Charger
- * Battery charger
- * DC Load
- * All DC applications



Main Features

- Intelligent Maximum Power Point Tracking technology increases efficiency 25%~30%.
- Compatible for PV systems in 12V, 24V or 48V.
- Five -stage charging optimizes battery performance.
- Maximum efficiency up to 98%.
- Maximum charging current 125% on rated capacity.
- Battery temperature sensor (BTS) automatically provides temperature compensation.
- Support wide range of lead-acid batteries including wet, AGM, and gel batteries.
- Multifunction LCD displays detailed information.



MPPT -PV CHARGE CONTROLLER

TECHNICAL SPECIFICATION

MODEL	30-45DP	60-80DP
ELECTRICAL PARAMETERS		
PV Input	ISOLATED	ISOLATED
MPPT Range	60 VDC ~ 115 VDC	
Maximum PV Array Open Circuit Voltage	150VDC	
Maximum PV Array Power	1 5 0 0 / 2 4 0 0 W	2 4 0 0 / 3 5 0 0 W
Maximum Input Current	3 0 / 4 0 A	6 0 / 8 0 A
BATTERY		
Nominal Battery Voltage	1 2 / 2 4 / 4 8 V D C	1 2 / 2 4 / 4 8 V D C
Connected Battery Type	Lead Acid/AGM/ Gel	Lead Acid/AGM/ Gel
Maximum Charge Current	3 5 / 4 5 A	6 0 / 8 0 A
Maximum Efficiency	98%	
Charging Method	Five Stages: Trickle, Boost, Heavy bulk, Absorption and Floating	
Idle Consumption	>1W	
Battery Reorganization	Auto	
Type of Mechanical Protection	IP 31(Indoor Use)	
COMMUNICATION		
Communication Type	RS-232 and Dry Contact	
Standard	USB, Modbus and SNMP	
ENVIRONMENT		
Humidity	5 ~ 95% RH (No condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	
Colour	Off White	
Packaging	Export	
Grounding	Body	
Auxiliary Contact	Optional	
Display	LCD	
Data logging	160days	
Charging/Discharging	Separate	
Compliance	TUV/CE/ISO/RoHS	
IMPORTANT NOTE: If model Specifies directly DP (XX)(XX), It means battery voltage is not recognized automatically. Write DP 2430. It describes 24VDC 30AMPS MPPT. You must connect 24 Volt systems.		