





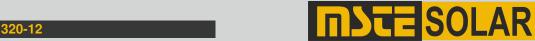






The MPT® DUAL series are advanced multi-output MPPT charge controllers with two outputs to power two different battery systems. Typical applications are caravans or boats with two battery blocks - main- and starter battery - and often also two different types of battery. The MPT® DUAL charge controllers are also perfectly suitable to charge only one battery system.

The multiple step charging process and the cyclic gassing control make sure that the battery is charged in its optimum. The life of the battery will be extended.



16.5V to 19V

MPT® 320-12	IIIDU-SULAK
Technical Data	
DC-input (solar)	
Maximum power	320W
Maximum voltage	28V

20A

IN OILTE	out (ba	STICKY

Maximum current

Recommended MPP-voltage

System voltage	1 Z V
Voltage range	9,5V to 16V

Maximum charging current (nom. power)

Types of battery

Final charging voltage

Final charging voltage Lithium-Ion

26A

Lead-Gel, AGM, Acid, Lithium-Ion (adjustable)

13,5V to 14,7V (adjustable)

14,4V at delivery, factory modifiable

Features

Display	1 LED
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Protective Devices

Derating overtemperature of the device

Interface

Special Feature

D: red

reverse current, overvoltage (fine protection), overtemperature, overload, reverse battery, short-circuit, overcurrent

>50°C

BATCONTROLLER®E, TTL serial, BMS, temperature sensor KTY, external LED

connection to 2. battery system for charge retention

General Data

Efficiency

Parallel Operation

Self-consumption

Cooling method Degree of protection (IEC60529)

Temperature range (nom. power)

Dimensions (W/H/D)

Weight

Enclosure Recommended wire cross section

Certificate

<99%

up to 8 charge controllers

0,12W/10mA

passive cooling, without fan

IP20 -25°C to +50°C

155mm/132mm/68mm

0,7kg

aluminium, coated

 6mm^2

conformity EMC89/336/EEC