



ISOTEL SD

Professional controller

CHARACTERISTICS	ISOTEL 30 SD
PHYSICAL	
<i>Length</i>	250 mm
<i>Width</i>	180 mm
<i>Depth</i>	120 mm
<i>Weight</i>	2,5 kg
ELECTRICAL	
<i>Nominal voltage</i>	12 / 24 V
<i>Maximum generation current allowed</i>	30 A
<i>Maximum load current allowed</i>	30 A
<i>Overload allowed</i>	25%
<i>Autoconsumption</i>	< 35 mA
<i>Maximum loss generation/consumption</i>	< 3 W / 3 W
CONSTRUCTIVE	
<i>Case</i>	Polycarbonate with transparent cover
<i>Paint</i>	Epoxy oven painted
<i>IP Rating</i>	IP 65
<i>Type of regulation</i>	Series type, controlled by microprocessor with solid state relay
<i>Battery selection</i>	Pre-set battery voltages with personalised option
<i>Regulating mode</i>	Boost/floating/equalisation (manual and automatic) ⁽¹⁾
<i>Indicating of charging mode</i>	By LED and LCD
<i>Temperature compensation</i>	Yes (with external probe)
<i>Load disconnection due to low voltage</i>	Yes (with automatic restart)
<i>Local alarms</i>	High and low battery voltage and overload by LEDs and LCD
<i>Parameters shown on alphanumeric LCD</i>	Battery voltage, generated and load instantaneous and maximum current values, generated and consumed Ah, temperature, generated and consumed Wh, etc...
<i>Reverse polarity protection</i>	Yes (generation, battery and load stages)
<i>Overload protection</i>	Yes, temporised (generation and load stages)
<i>Overvoltage protection</i>	Yes, by varistors (generation, load and battery stages)
<i>Protection against battery disconnection</i>	Yes
<i>Tropicalized circuits</i>	Yes
<i>Working temperature range</i>	0 - 50 °C
<i>Overload disconnection restart</i>	Manual reset
<i>Voltage sensing line</i>	Yes

⁽¹⁾ Equalisation is disabled in gel tubular batteries