



ISOTEL

Professional controller

CHARACTERISTICS	ISOTEL 30	ISOTEL 60	ISOTEL 90
PHYSICAL			
<i>Length</i>	363 mm		
<i>Width</i>	316 mm		
<i>Depth</i>	156 mm		
<i>Weight</i>	5,5 Kg		
ELECTRICAL			
<i>Nominal voltage</i>	12 V / 24 V / 48 V		
<i>Maximum generation current allowed</i>	30 A (12/24V)/ 20 A(48V)	60 A (12/24V)/ 40 A(48V)	90 A (12/24V)/ 60 A(48V)
<i>Maximum load current allowed</i>	30 A (12/24V)/ 20 A(48V)	30 A (12/24V)/ 20 A(48V)	30 A (12/24V)/ 20 A(48V)
<i>Number of stages generation/load</i>	1/1	2/1	3/1
<i>Overload allowed</i>	25%		
<i>Autoconsumption</i>	48 mA	25 mA	15 mA
<i>Maximum loss generation /load</i>	< 4,2 W/4,2 W	< 8,4 W/4,2 W	< 13,2 W/4,2 W
CONSTRUCTIVE			
<i>Case</i>	Polycarbonate		
<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 relays		
<i>Battery selection</i>	Pre-set battery voltages with personalised option		
<i>Regulating modes</i>	Boost/floating/equalisation (automatic and manual) ⁽¹⁾		
<i>Indicating of charging modes</i>	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 with LEDs and LCD		
<i>Remote alarms by free voltage relay</i>	High and low battery voltage, overall system failure, night detection and electric generator start-up		
<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>Short-circuit protection</i>	Magnetothermic protection in all of the stages		
<i>Overvoltage protection</i>	Yes, by varistors (generation, battery and load stages)		
<i>Protection against battery disconnection</i>	Yes		
<i>Tropicalized circuits</i>	Yes		
<i>Range of temperatures</i>	0 – 50 °C		
<i>Short-circuit/overload disconnection restart</i>	Manual reset		
<i>Voltage sensing line</i>	Battery voltage sensing line independent form the power line		
<i>Monitoring</i>	Yes (with RS 232)		

⁽¹⁾ Equalisation is disabled in gel tubular batteries