

POWER DATA

Nominal voltage	230/400 VAC	
Nominal frequency	50 Hz	
Max. prospective short circuit current	10 kA	
Max. grid-side fuse	63 A	
Max. thermal throughput power (3AC) PNOM	30 kW (Ta = 25°) / 20 kW (Ta = 40°)	
Losses in standby-mode	app. 18 W	
Additional operating losses at 25/50/100% of PNOM	app. 2/4/8 W	
Allowed Battery inverters	RCT Power Storage DC 4.0 / 6.0 / 8.0 / 10.0	
Disconnection from the grid	4-pole	3-pole
Permitted grid form	TN-C-S/TN-S/TT	TN-C-S/TN-S
Fuse connection RCT Power Storage	MCCB-3C25	
Terminals Meter/Load/Backup load	spring clamps up to 16mm ²	

OTHERS

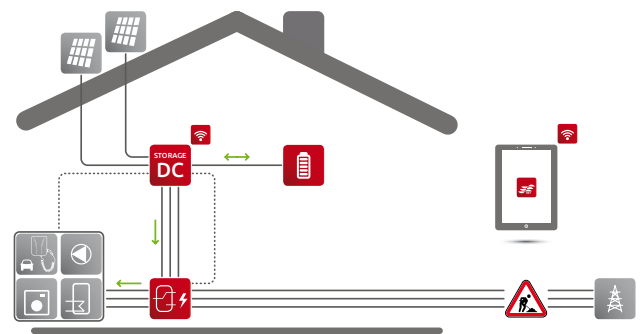
Operating temperature range	-5°C ... +40 °C	
Relative humidity	5 ... 95 %	
Mounting method	wall mounting	
Dimensions (height x width x depth)	448 x 610 x 160 mm	
Weight app.	15 kg	

SAFETY / STANDARDS

Safety class	II	
IP-class	65	
Standards	IEC/EN61439-1 (DE: VDE 0660-600-1)	
	IEC/EN61439-2 (DE: VDE 0660-600-2)	
	IEC/EN61439-3 (DE: VDE 0660-600-3)	
Warranty	2 years	

WHAT IS RCT BACKUP POWER?

In the event of a power failure, the RCT Power Switch ensures that the PV system and connected battery storage unit keep operational. The RCT Power Switch all-pole disconnects the domestic network from the mains supply (TN-C-S/TN-S or TT). It then creates a stand-alone grid in combination with the DC-connected RCT Power storage system.



The device ships with two outputs for optimal power supply security. One is dedicated to devices that are essential and are required to stay connected during a power failure. The other one connects non-essential devices.

- Automatic switching in case of power failure
- Switch-on delay of 5-10 seconds
- Battery and PV system can be used as energy source
- Battery can be recharged from PV system and thus the backup system can supply power for several days