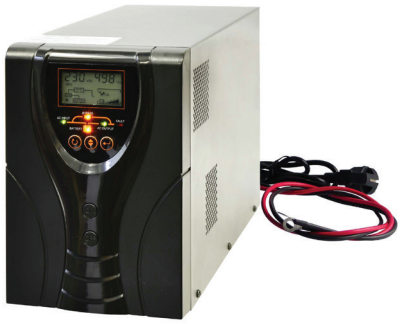
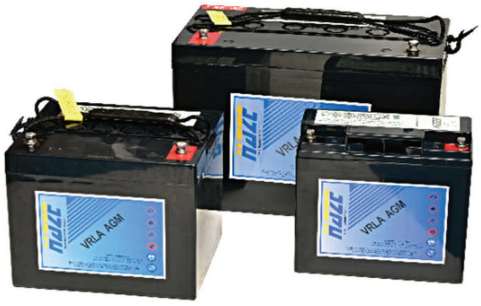
DATA SHEET

PG 600 S Backup Power Supply





Main features	
Application	• power supply to feed circulation pumps or other boiler components like fans, controllers, fuel feeders etc. during power cuts • solid-fuel boilers can be safely cooled down after a power cut occurs
Description	• consists of electronic circuits ensuring battery charging and protection, inverter, power outlets for the equipment to be power supplied, cable to connect to grid and external lead acid battery
Properties	• the output waveform is a sine wave offering trouble-free operation of high-efficiency circulation pumps – tested on Wilo and Grundfos pumps • automatic switching from grid to battery and vice versa • smart three-step battery charging with overcharge protection • battery protection from overcharge and deep discharge • LCD display • smooth output sine wavea

Codes	
17035	*PG 600 S without external battery*
17135	*PG 600 S Backup Power Supply with 18 Ah external battery*
17136	*PG 600 S Backup Power Supply with 44 Ah external battery*
17137	*PG 600 S Backup Power Supply with 100 Ah external battery*

Technical data				
Backup Power Supply		**PG 600 S-18**	**PG 600 S-44**	**PG 600 S-100**
Input	nominal voltage	230 V 50 Hz		
	voltage range	140 ~ 280 V +/–5 %, 50 Hz +/–5 Hz		
Output	max. inverter output	600 VA		
	nominal voltage	230 V		
	voltage range (backup mode)	230 V (± 5%)		
	frequency	50 Hz		
	transfer time	8 to 12 ms		
	frequency tolerance (backup mode)	± 0,5 Hz		
	output waveform (backup mode)	smooth sine wave		
Others	dimensions (d x w x h)		420 x 280 x 225 mm	
	weight	16,4 kg	24,4 kg	39,4 kg
	ambient working temperature		0–40 °C	
	ambient relative humidity		0–90 % non-condensing	
	noise level		< 60 dB	

Battery				
Type			**lead acid battery**	
Technical data	nominal voltage		12 V	
	charging current		5 A (20 A)	
	number		1	
	capacity	18 Ah / 12 V	44 Ah / 12 V	100 Ah / 12 V

Backup time			
output load power consump (230 V)	20 W	65 W	120 W
backup period	3 h 11 min	3 h 35 min	4 h 37 min
output load power consump (230 V)	45 W	100 W	250 W
backup period	2 h 2 min	2 h 26 min	2 h 31 min

REGULUS spol. s r. o. Czech Republic
Do Koutů 1897/3, 143 00 Praha 4
Tel.: +420 241 765 191
Fax: +420 241 763 976
E-mail: sales@regulus.eu
Web: www.regulus.eu