



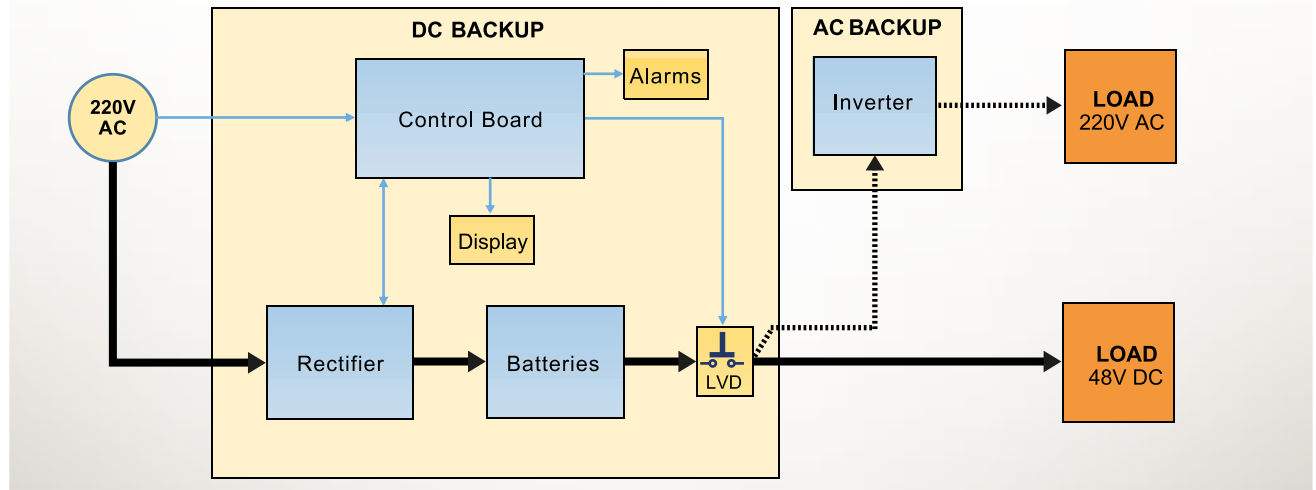
For Uninterruptible Life...



# Battery Backup System

Battery Backup System is a system which charges the batteries with received energy from the mains then transfers as DC 48V or AC 220V to output. In case of any mains failure, the system provides the field for a certain time according to the capacity of batteries.

- Charges the batteries according to their capacities.
- Separates from the load when the battery voltage is at the minimum level.
- Keeps trickle charging when the battery is fully charge.
- Has various alarms such as the no mains, low voltage, high temperature and door open alarms.



Models	FEMTO CELL BACKUP 150W 48V 6A	SMALL CELL BACKUP 250W 48V 9A	BATTERY BACKUP 1200W 48V 55A	BATTERY BACKUP 2700W 48V 55A
<b>Input</b>				
Rectifier	48V 3.6A (150W)	48V 5.3A (250W)	48V 12,5A x2 (1200W)	48V 50.9A (2700W)
Input Voltage	85-265VAC or 120-370VDC	85-265VAC or 120-373VDC	85-265VAC	88-310VAC
<b>Output</b>				
Output Voltage	42-60V	42-55V	42-54V	42-55V
Output Current	2A	3.7A	20A	40A
<b>General</b>				
Efficiency	86%	93%	92%	91%
Power Factor	EN 61000-3-2	0.98	0.99	0.99
Cooling	AC Fan	AC Fan	AC Fan	AC Fan
Low voltage shutdown (LVD)	42V	42V	42V	42V
Low voltage alarm	45V	45V	45V	45V
<b>Battery</b>				
Battery capacity	48V 6A	48V 9A	48V 55A	48V 55A
Trickle charging	55V	55V	54V	55V
Charge Current	1.6A	1.6A	5A	5-10A (adj.)
Charge Time	%90 @ 5 hours	%90 @ 6 hours	%90 @ 10 hours	%90 @ 10 hours
<b>Additional Features</b>				
Display	2x16 LCD	-	2x16 LCD	2x16 LCD
Inverter	-	-	1000/700W	-
Alarms	no mains, low battery, door open, high temp (25-45°C).	no mains, low battery (45V).	no mains, low battery (45V).	no mains, low battery (45V).
Indicators	internal temperature, mains voltage, battery voltage, charge current, load current, fan on/off settings, minimum mains voltage settings, fan on/off settings.	-	internal temperature, mains voltage, battery voltage, charge current, load current, fan on/off settings.	internal temperature, mains voltage, battery voltage, charge current, load current, fan on/off and charge current settings.
Communication	USB	-	-	-

# BATTERY BACKUP+UPS 3000W 48V 100A



In this Battery Backup system, there are three units of 1000W rectifier used in 1U sized Eltek. 3 kW Mean Well Inverter has a special circuit which resets the inverter and sends fault alarm from UPS output in case of any overload protection.

Output Voltage & Current	: 48 VDC & 50A
Dimension	: 1210x600x420 mm
Weight	: 210 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Free Convection
Type of Assembly	: Wall & Pole Mounting
Material Property	: Aluminum
Color	: RAL7035

BATTERY BACKUP+UPS 3000W 48V 55A	BATTERY BACKUP+UPS 3000W 48V 100A	BATTERY BACKUP 50W 24V 12A	BATTERY BACKUP 100W 48V 9A	BATTERY BACKUP 1200W 48V 12A
48V 62.7A (3000W)	48V 62.7A (3000W)	24V 2.2A (50W)	48V 4.5A (100W)	48V 13Ax2 (1200W)
85-300VAC	85-300VAC	85-265VAC or 120-370VDC	85-265VAC or 120-370VDC	85-265VAC or 120-370VDC
42-57.6V	42-57.6V	21-27.5V	42-55V	42-55V
50A	50A	2A	5A	20A
95.5%	95.5%	84%	87%	86%
0.99	0.99	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
AC Fan	AC Fan	AC Fan	AC Fan	AC Fan
42V (adj.)	42V (adj.)	21V	42V	42V
45V (adj.)	45V (adj.)	22.5V	45V	45V
48V 55A	48V 100A	24V 12A	48V 9A	48V 12A
52-57.6V (adj.)	52-57.6V (adj.)	27.5V	55V	55V
1-20A (adj.)	1-20A (adj.)	1.5A	2A	2.5A
%90 @ 6 hours	%90 @ 6 hours	%90 @ 6 hours	%90 @ 5 hours	%90 @ 5 hours
Graphic LCD 3000W	Graphic LCD 3000W	-	2x16 LCD	2x16 LCD
no mains, low battery (adj.), rectifier, ups fault.	no mains, low battery (adj.), rectifier, ups fault.	low battery, high temp (25-45°C).	low battery, high temp (25-45°C).	no mains, low battery, high temp (25-45°C).
various indicators and settings.	various indicators and settings.	-	internal temperature, mains voltage, battery voltage, charge current, load current, fan on/off settings.	internal temperature, mains voltage, battery voltage, charge current, load current, fan on/off settings.
Ethernet	Ethernet	-	-	-

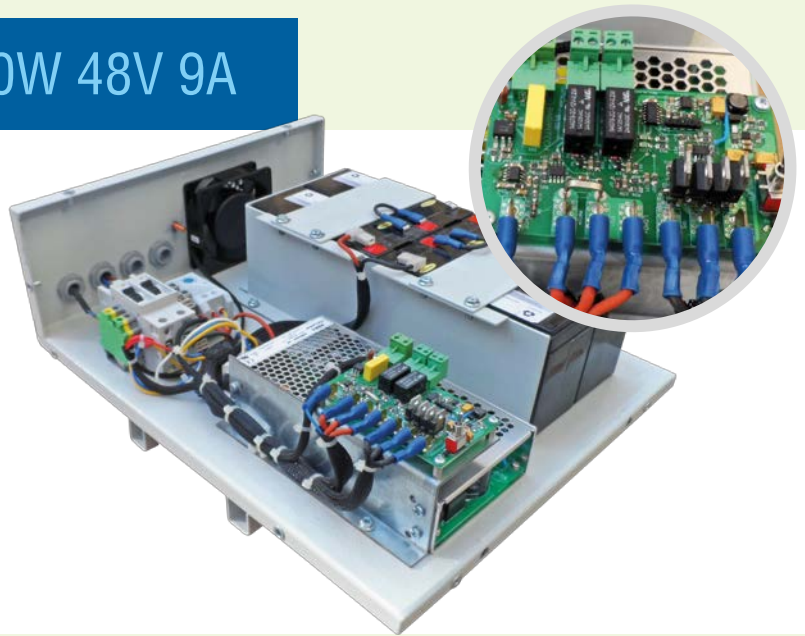
## BATTERY BACKUP+UPS 3000W 48V 55A

Output Voltage & Current	: 48 VDC & 50A
Dimension	: 1010x600x420 mm
Weight	: 125 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Free Convection
Type of Assembly	: Wall & Pole Mounting
Material Property	: Aluminum
Color	: RAL7035



## SMALL CELL BACKUP 250W 48V 9A

Output Voltage & Current	: 48 VDC & 2A
Dimension	: 360x430x160 mm
Weight	: 25 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Fan Cooling
Type of Assembly	: Pole Mounting
Material Property	: Galvanized Stainless
Color	: RAL7035



## FEMTO CELL BACKUP 150W 48V 6A

Output Voltage & Current	: 48 VDC & 2A
Dimension	: 607x468x342 mm
Weight	: 41 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Fan Cooling
Type of Assembly	: Wall & Pole Mounting
Material Property	: Galvanized Stainless
Color	: RAL7035





## BATTERY BACKUP 50W 24V 12A

Output Voltage & Current	: 24 VDC & 2A
Dimension	: 190x220x120 mm
Weight	: 7 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Free Convection
Type of Assembly	: Wall Mounting
Material Property	: Polyester
Color	: RAL7035



## BATTERY BACKUP 100W 48V 9A

Output Voltage & Current	: 48 VDC & 5A
Dimension	: 300x400x170 mm
Weight	: 16 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Fan Cooling
Type of Assembly	: Pole Mounting
Material Property	: Polyester
Color	: RAL7035



## BATTERY BACKUP 1200W 48V 12A

Output Voltage & Current	: 48 VDC & 20A
Dimension	: 400x600x200 mm
Weight	: 33 kg
Connection	: Rail Terminal
Environmental Protection	: IP65
Cooling	: Fan Cooling
Type of Assembly	: Wall Mounting
Material Property	: Polyester
Color	: RAL7035



## BATTERY SWITCH 48V 100A

The switching product at the right side is developed to use at battery backup panel of outdoor base stations. The system runs by switching the batteries with the power line conditions automatically. If the power of batteries in the field is failure, the system runs the batteries, otherwise, the product switches from the internal power supply to the system and then switches to charge the batteries.



# Revaluation of Excess Products

The backups are manufactured by revaluating your excess rectifiers at desired power and battery capacity with or without inverter.



Your Any Rectifier



Barantech  
BR 2700



Our Revaluated Backup (UPS)

# Cabinet

The cabinet is used as the outdoor product including the rectifier and equipments of Telekom. The devices in cabinet are preserved with IP67 of the protection class at outside. Cooling is provided by two fans at inside of cabinet in hot climate conditions.



**Circuit Breaker and Thermostat**



**Fans**



**Filter**

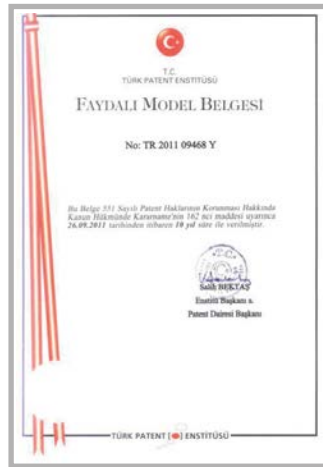


Barantech is registered brand of “Baran Elektronik Sistemleri” with 9 years of experience, providing high-tech, cost effective and customer oriented solutions in electronic design. Barantech is an R&D Company which manufactures products for telecommunication industry.

The Battery Backup is one of our important product. As for our other important products, they are Free Cooling System, Energy Management Systems, Radiolink Antenna Heaters and Power Converters.



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References

