

# BlackShell 78

## Technical Datasheet

### GENERAL SPECIFICATIONS

Product name	BlachShell 78
Product model	BS78
Colour	Black
Chemistry	18650 lithium-ion cell
Standards	CE mark
Warranty	2 years

### ELECTRICAL CHARACTERISTICS

Energy	814Wh
Cells configuration	13S6P
Capacity	17.4 Ah
Nominal voltage	48V
Min discharge voltage	36.4V
Max discharge current	30A
Peak discharge current	50A for 1 second
Max charge voltage	54.6V
Max. continuous charge current	4A
Standard charging current / time	2A/7-11 hours or 4A/4-6 hours

### MECHANICAL CHARACTERISTICS

Dimensions	L368 * W90 * H127 mm
Weight	5.3 Kg
Casing material	Hailong SSE112 G80
Ingress Protection	IP64
Fireproof grade	V0
Lock	Mechanical keylock
On/off button	Yes
Capacity indicator	One button - Four levels LED display
Charging port	XLR 3pin male
Discharging port	6 PIN clip custom

### SAFETY FEATURES

Overvoltage protection	
Undervoltage protection	
Overtemperature protection in charge	
Overtemperature protection in discharge	
Under Temperature protection in charge	
Under Temperature protection in discharge	
Overcurrent protection in charge	
Second overcurrent protection in charge	8A DC fuse
Overcurrent protection in discharge	
External short circuit protection	
Not to charge depleted cells	

### OPERATING AND STORAGE TEMPERATURE

Charge operating T° C	0° C to +45° C
Discharge operating T° C	-20° C to +60° C
Storage T° C range	-20° C to +25° C
Max delay between 2 charges	3 months

### CHARGER INFORMATION

No charger provided with the battery  
 Compatible with any CC-CV 54.6V with output constant-current lower than 4A  
 XLR 3pin female connection

### COMMUNICATION

No communication system

### DIMENSIONS

