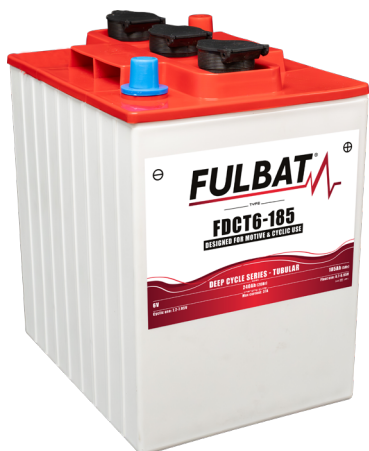


# FDCT6-185

## Datasheet

**FULBAT®**  
**DEEP CYCLE BATTERY**



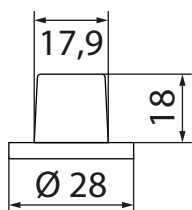
## TUBULAR

FDCT Tubular Series are Deep cycle liquid electrolyte batteries specially designed for demanding applications requiring long service, high cycling performance and intensive discharge requirements. Built with positive tubular armor plates, the FDCT range delivers very high discharge capability and increased endurance, even under poor charging conditions. Thanks to their high productivity in severe working environments, FDCT Tubular batteries are ideally suited for applications such as aerial work platforms, electric stackers, cleaning machines and solar energy systems.

### FEATURES

- Excellent tubular plate construction with free electrolyte ensures long operating life
- Very high cycling performance : Up to 1200 cycles (EN 60254-1 / 25°C – for traction battery)
- High discharge capability
- Excellent vibration resistance
- Increased endurance even in cases of poor charging conditions
- High productivity under severe working conditions

### TERMINAL



### SPECIFICATIONS

Voltage	Capacity	Reserve Capacity
<b>6 V</b>	<b>260 Ah</b> (100hr)	<b>480 min</b> (75A)
	<b>240 Ah</b> (20hr)	<b>123 min</b> (25A)
	<b>185 Ah</b> (5hr)	

### OPERATING TEMPERATURE

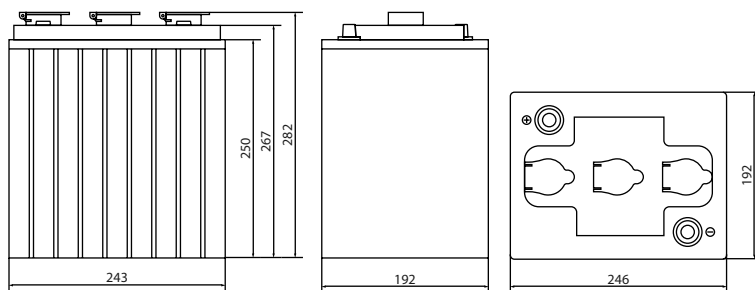
<b>Discharge</b>	-30°C ~ 45°C
<b>Charge</b>	0°C ~ 45°C
<b>Storage</b>	0°C ~ 25°C

### CHARGING INSTRUCTIONS

<b>Max current</b>	37A
<b>Float</b>	6.72V
<b>Cyclic</b>	7.2V - 7.95V

### DIMENSIONS & WEIGHT

<b>Length</b>	243±2mm
<b>Width</b>	192±2mm
<b>Total Height</b>	282±2mm
<b>Gross weight</b>	31.50kg



### APPLICATIONS



Aerial work platform



Golf cart

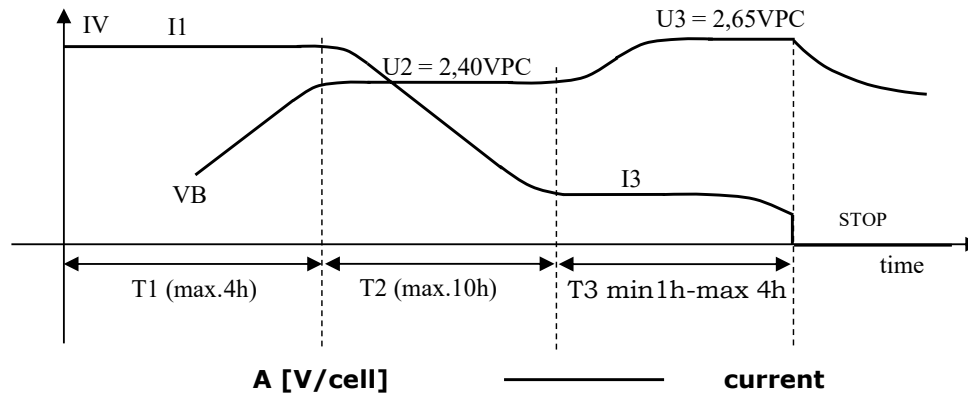


Floor cleaning machine



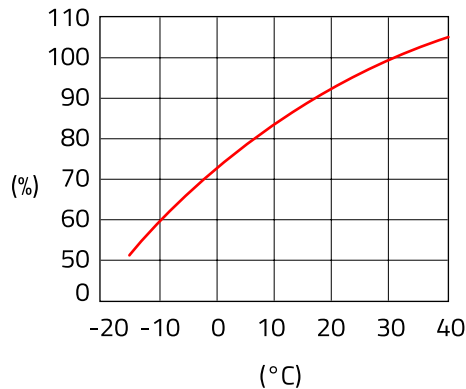
Solar

### FDCT CHARGING PROFILE



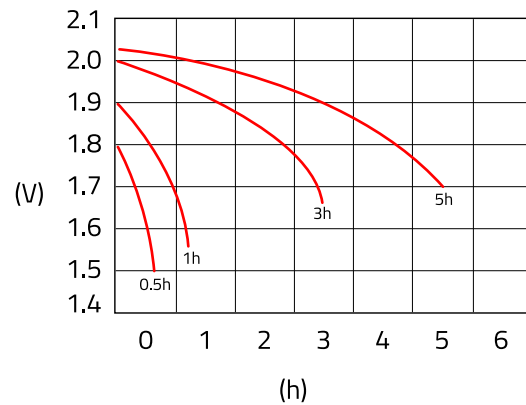
### RELATIONSHIP OF TEMPERATURE & CAPACITY

Temperature Vs Capacity (5h)



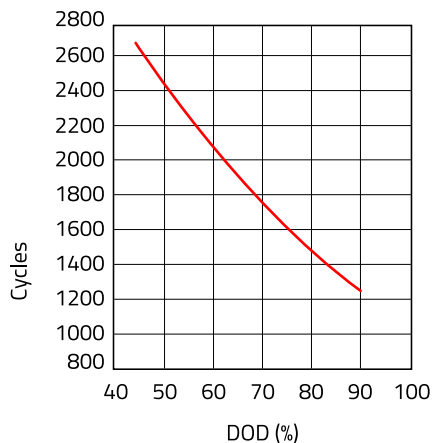
### DISCHARGE RATE

Different Hour Discharge Rate Feature Curve



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

Curve for life cycles Vs DOD



### CHARGING VOLTAGE VS CHARGING TIME

Charging Voltage Vs Charging Time

