

TUBULAR

HIGH DISCHARGE CAPABILITY & CYCLING



TECHNOLOGY

FDCT Tubular Series are Deep Cycle liquid electrolyte batteries specially engineered for demanding applications that require **long service life, high cycling performance**, and sustained **intensive discharges**. Their positive tubular armour plates provide exceptional discharge capability and greatly **enhanced endurance**, even under poor charging conditions. Thanks to their high productivity and reliability in **severe working environments**, these batteries are ideally suited for aerial work platforms, electric stackers, cleaning machines, and solar energy systems.

APPLICATIONS



GENERAL INFORMATION

- » **Technology:** *Flooded Lead-acid (Tubular Plate)*
- » **Available voltages:** *6V, 12V*
- » **Capacities from:** *120Ah to 185Ah (5hr)*
- » **Cycle life:**
 - *Up to 1200 cycles at 80% DOD* (50% capacity @20°C)*
 - *Up to 2400 cycles at 50% DOD* (50% capacity @20°C)***Depth Of Discharge*
- » **Case material:** *Polypropylene*

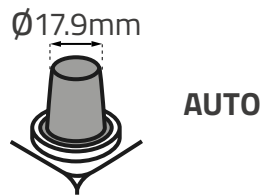
FEATURES

- » **Tubular plate construction with free electrolyte:** *long service life*
- » **Very high cycling performance:** *extended cycle durability*
- » **High discharge capability:** *strong power output*
- » **Excellent vibration resistance:** *reliable in harsh environments*
- » **Increased endurance in poor charging conditions:** *longer lifespan*
- » **High productivity under severe working conditions:** *dependable in demanding use*



| DESIGNATION | P/N | BOX SIZE | VOLTAGE (V) | CAPACITY Ah (20hr) | CAPACITY Ah (5hr) | RESERVE CAPACITY (min) | | DIMENSIONS (+/- 2 mm) | | | | POLARITY | TERMINAL |
|-------------|--------|----------|-------------|--------------------|-------------------|------------------------|------|-----------------------|-----|-----|--------------|----------|----------|
| | | | | | | @25A | @75A | L | W | H | Total Height | | |
| FDCT6-185 | 593039 | - | 6 | 240 | 185 | 480 | 123 | 243 | 192 | 267 | 282 | ⊖ ⊕ | AUTO |
| FDCT12-120 | 593040 | - | 12 | 140 | 120 | 292 | 65 | 344 | 175 | 263 | 285 | ⊖ ⊕ | AUTO |

TERMINAL CONFIGURATIONS



CYCLE LIFE

