

# DCS 15kWh PV series

The DCS 15kWh PV series batteries are a wall mountable 51.2V 300Ah LFP (Lithium Iron Phosphate) battery pack, designed for the off grid and hybrid 48V battery storage market (ESS).

These batteries run our proprietary Battery Management System (BMS) which provides an internally managed solution that can plug and play with all 48V battery inverters on the market today.

Featuring the lowest lithium energy density cell chemistry available today ensures these batteries will outlast all others, combined with a high precision active cell management system to extract the cells full cycle potential.

Also backed by an industry leading 10 year / 80% capacity guarantee. Designed and manufactured here in Australia.

## Performance & Mechanical Specifications

Technical Specifications:	
Design Voltage	48V
Nominal Voltage	51.2V
Nominal Capacity	294Ah
Nominal Energy	15053Wh
Usable Storage	15kWh
Case Dimensions (L x W x H)	1271mm x 806mm x 205mm
Weight	190Kgs
Continuous Charge/Discharge Current	200A(10.24Kw) / 250A (12.8Kw)
Cycling Voltage Range	50.0V ~ 55.0V
Bulk Charge Voltage	55.0V
Float Voltage	54.0V
LVD (Low Voltage Disconnect)	50.0V
Nominal Discharge Current	1C
Nominal Charge Current	1C
Peak Power (25C) < 10 Secs	20.48Kw
Faradic Charge Efficiency (25C)	99%
Battery Roundtrip Efficiency(0.3C, 25C)	98%
Rebuildable Design Expected Services Life	> 20 Years
Cycle Life (100% DoD @ 25C)	>5000 Cycles
Available Operating Temperature	-20 ~ 65C
Optimal Operating Temperature	0 - 45C
Longterm Storage Temperature	0 - 30C
Cooling Design	Natural Convection
Ingress Protection Rating	ip67
Interface Internal BMS	BMS (RS485)
Certifications	UN 38.3, UL 1642, IEC 62133 & 62619, CE

