## Rechargeable Lithium LifePO4

Lithium Iron Phosphate (LiFePO4) Technology



PRODUCT CATALOGUE

www.drypower.com.au

## Drypower Rechargeable Lithium LifePO4

The Drypower Rechargeable Lithium LiFePO4 (lithium iron phosphate) range of batteries offer superior performance in industrial or high drain applications, featuring high energy output, deep cycle power, rechargeability with long service life, and portability. Standard (E2) and Smart (E3) battery types available.

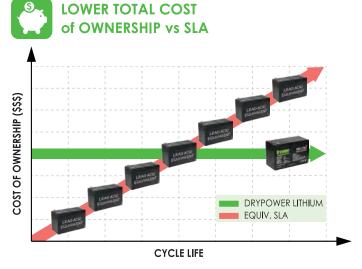
Switching to rechargeable lithium battery technology where traditional Sealed Lead Acid (SLA) batteries are currently used eliminates the issues usually experienced with SLA batteries:- bulky, heavy and costly to maintain.



## WHY CHOOSE DRYPOWER LITHIUM?

	KEY FEATURES & BENEFITS	Drypower Lithium LiFePO4	VRLA Lead Acid Equivalent
Procent Street	High cycle life Get more use out of Drypower Lithium batteries for effectively lower total cost of ownership.	>2000 cycles @ 80% DoD	320 cycles @ 80% DoD
иснтмекент	Lightweight Drypower Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.	100Ah @ 14.3kg	100Ah @ 30kg
	Better storage Storage is not a problem thanks to extremely low self discharge (LSD) and no risk of sulphation.	12-18 months+	3-6 months
** * * * * * * * * * * * * * * * * * *	Quickly recharge Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.	5hrs @ 14A charger 96% efficiency	12hrs @ 14A charger 60-90% efficiency
	Extreme heat tolerance Suitable for use in a wider range of applications where operating temperature is considered too high for SLA.	Up to +60°C	+24°C rated
	Longer service life Low maintenance batteries with stable chemistry. Easily monitor state of health (SoH) of smart models.	8-10 year service	3-5 year service

LOWER TOTAL COST OF OWNERSHIP. Drypower Lithium batteries provide superior cycle life and usable battery capacity with a better return on investment than conventional lead batteries. Drypower Lithium batteries feature extended service life to reduce replacement costs (battery and labour), faster recharge times to minimise battery down time, and Smart battery options for remote monitoring of the battery's state of health.

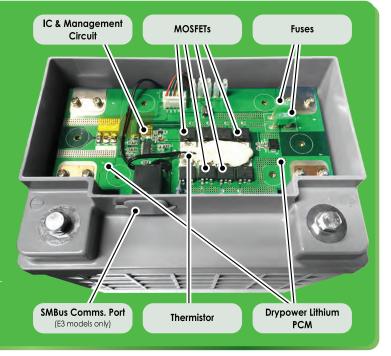




## **SAFETY & PROTECTION**

- Integrated Circuit (IC)
   MOSFET
- ThermistorProtection Circuit Module (PCM)
- SMBus Communications Port • Fuse

- Prevent damage to equipment and property.
   Almost completely eliminate concerns about use of the wrong charger for this chemistry type.
- Minimise the risk of overdischarging and damaging the batteries.

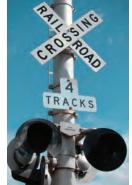


	Voltage (V)	Capacity 5Hr Rate (Ah)	Max. Cont. Discharge	Length (mm)	Width (mm)	Height (mm)	Welght (kg)	Terminal
Standard Models		on kule (All)	Discharge	(""")	(''''')	(''''')	(Kg)	
IFM6-45E2	6.4	4.5	4.5A	100	47	70	0.35	F2 (Faston 250)
IFR12-45-Y	12.8	4.5	5A	90	70	101	0.67	F2 (Faston 250)
IFM12-75E2	12.8	7.5	12A	151	65	94	1.0	F2 (Faston 250)
IFM12-90E2	12.8	9	12A	151	65	94	1.2	F2 (Faston 250)
ML1209	12.8	9	25A	150.5	65	97.5	1.38	F2 (Faston 250)
IFM12-120E2	12.8	12	24A	151	99	95	1.65	F2 (Faston 250)
IFR12-160TB-Y	12.8	16	25A	168	128	75	2.2	T-Bar to ADS + Lotus Seat
IFM12-200E2	12.8	20	25A	181	76	166	2.55	M5 Bolt
IFR12-220TB-Y	12.8	22	30A	166	127	102	3.06	T-Bar to ADS + Lotus Seat
IFR12-250-Y	12.8	25	25A	181	76	168	3.4	M5 Bolt
IFR12-300-Y	12.8	30	30A	175	175	112	3.9	M8 Bolt
IFR12-320-Y	12.8	32	32A	194	130	162	4.6	M6 Bolt
IFM12-400E2	12.8	40	25A	195	130	182	5.5	M8 Bolt
IFR12-400-Y	12.8	40	25A	195	165	175	5.8	M6 Bolt
IFR12-550-Y	12.8	55	100A	257	132	200	8.0	M8 Bolt
IFR12-650-Y	12.8	65	80A	262	167	212	9.2	M8 Bolt
IFR12-1000-Y	12.8	100	100A	328	172	212	14.3	M8 Bolt
FR12-1500-Y	12.8	150	100A	483	170	235	19.7	M8 Bolt
IFR12-2000-Y	12.8	200	100A	521	233	220	27	M8 Bolt
Smart Battery M	odels							
IFM12-66E3	12.8	6.6	13A	151	65	97	0.9	F2 (Faston 250)
IFM12-75E3	12.8	7.5	15A	151	65	97	1.0	F2 (Faston 250)
IFM12-90E3	12.8	9	18A	151	65	94	1.22	F2 (Faston 250)
IFM12-200E3	12.8	20	15A	181	76	166	2.5	M5 Bolt
IFM12-420E3	12.8	42	20A	195	130	183	5.5	M6 Bolt
IFM 12-450E3	12.8	45	20A	195	130	183	5.9	M6 Bolt
Application Spe	cific Models							
FM72-66E3	73.6	6.6	6A	190	350	79	5.2	Direct Connection. Suitable for use with Segway.

















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