



**IMCO POWER®**

**HIGH SAFETY**

**LONG LIFESPAN**

**RELIABILITY**

**LiFePO<sub>4</sub>**

# LiFePO<sub>4</sub>

Lithium iron phosphate batteries (LiFePO<sub>4</sub> or LFP) offer reliability, long lifespan, high safety, improved discharge and charge efficiency.




**Reliability** of all batteries in IMCO POWER offer is ensured by the integrated Battery Management System (BMS), which protects each cell as well as the entire battery from excessive discharge and overcharge, from short circuits and ensures symmetry of internal cells at the same time.

**High safety** of LiFePO<sub>4</sub> batteries is determined by their chemical and temperature stability. The batteries work in a wide temperature range from -20°C to +65°C, which makes them suitable for applications exposed to extreme temperatures. High temperature does not affect the accelerated aging of batteries and they do not lose capacity at low temperature.

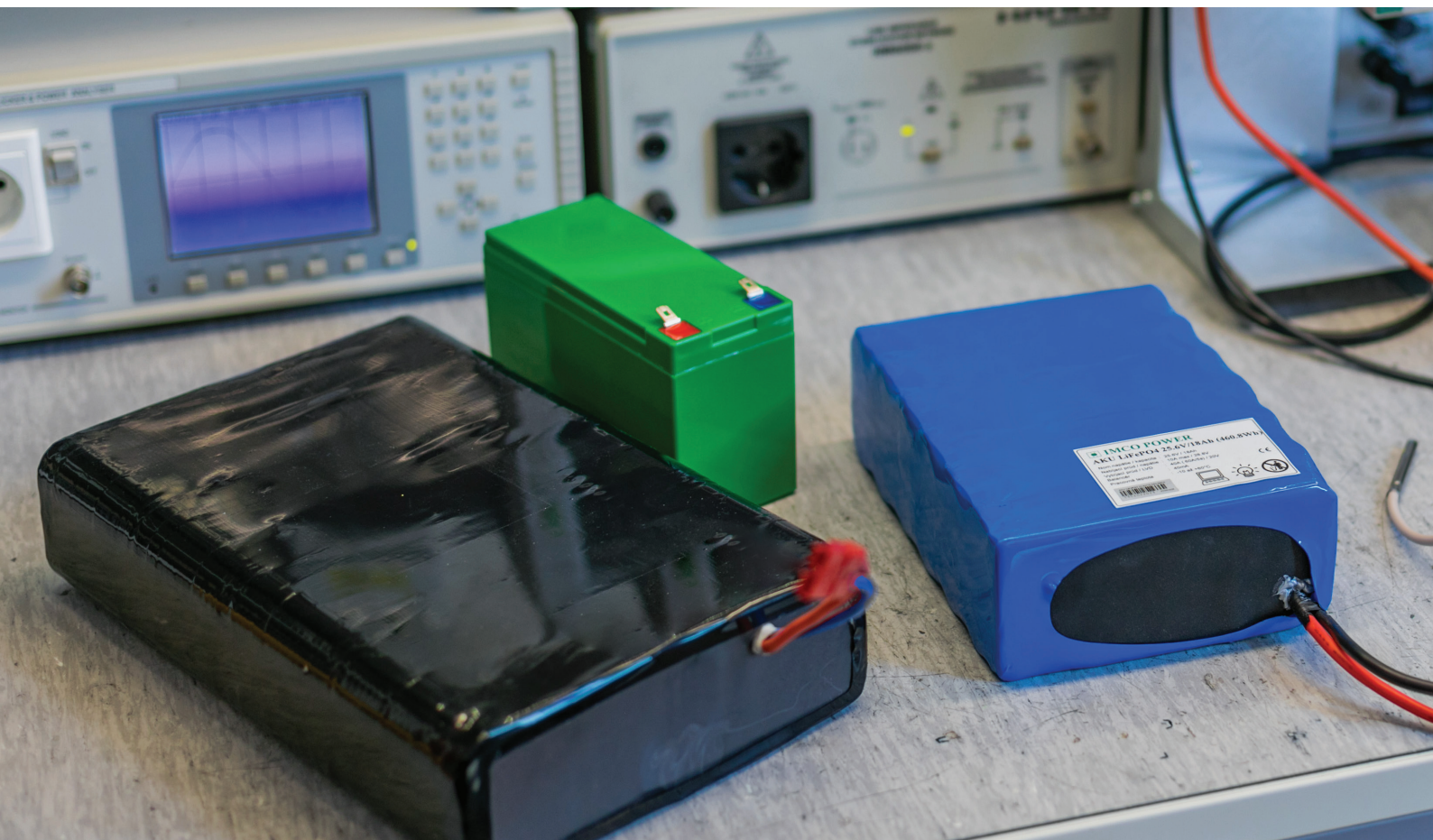
These properties guarantee suitable use in STAND-BY operations, for example UPS for data centers, telecommunication backup power supply, including military applications. LiFePO<sub>4</sub> batteries have a **long service life** in highly cyclical operations such as photovoltaics, night lighting, electromobility or for example robotics.

Due to a long lifespan and zero maintenance LiFePO<sub>4</sub> batteries are the best investment you can make over time.


## LiFePO<sub>4</sub> batteries

Type	Output voltage	Capacity	Integrated BMS	
Rack 19" (2U, 3U, 4U)	51.2V	30Ah, 50Ah, 100Ah	●	
Standard (form as Pb)	12.8V 25.6V 51.2V	10Ah ÷ 375Ah	●	
Custom	12.8V 25.6V 51.2V 76.8V	18Ah ÷ 54Ah	●	









LiFePO<sub>4</sub> batteries offer



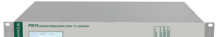
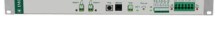
# Chargers

Type (Code)	LiFePO4 Battery	Mounting type	Output power	Output voltage / current	SNMP	Dimensions (ŠxVxH) mm / Weight (kg)	
IC900.H 5915 IP.2131.633.98	51.2V	DIN	900W	58.4V/15A		80x229x160 / 1.70	


# Power supplies

LS110.HS 1310 IP.4131.633.181	12.8V	DIN	146W	14.6V/10A	●	100x128x134 / 0.80	
LS110.H 25481004R IP.4132.633.179	25.6V	DIN	292W	29.2V/10A		100x128x134 / 0.90	
LS110.HS 25481004R IP.4132.633.180		DIN	292W	+29.2V/10A +48.2V/ 4A	●	100x128x134 / 1.00	
LS110.JS 2548150100301_PoE(2x) IP.4134.763.185		19" 1U	292W	+29.2V/10A -48.2V/ 3A 150V/ 0.6A	●	436x45x150 / 1.70	
LS110.HS 5105 IP.4131.633.183	51.2V	DIN	292W	58.4V/ 5A	●	100x128x134 / 0.90	
LS1000.H 5115 IP.4131.633.178		DIN	900W	58.4V/15A		80x229x160 / 1.80	
LS110.JS 5105 IP.4131.763.182		19" 1U	292W	58.5V/ 5A	●	436x45x150 / 1.45	
LS110.JS 51240508R IP.4132.763.188		19" 1U	292W	+58.4V/ 5A +24.2V/ 8A	●	436x45x150 / 1.50	
PSI15.JS 5115 IP.4131.738.176		19" 2U	880W	58.4V/15A	●	436x315x88 / 4.00	
PSI15.JS 5130 IP.4141.738.177		19" 2U	1760W	58.4V/30A	●	436x315x88 / 5.40	

# Power supplies - UPS

PSI15.JS 1240_04 IP.4132.760.27	12.8V	19" 2U	580W	14.6V/40A 230V~50Hz/400W	●	436x315x88 / 5.90	
PSI15.JS 5130(2409)_04 IP.4143.760.32	51.2V	19" 2U	1760W	58.4V/30A 14.6V/10A 230V~50Hz/400W	●	436x315x88 / 5.40	

# UPS

CORE 2K RT, 24min. 11-CORE-0020_E	51.2V/18Ah IPLFP51018092111	19" 2U	230V~50Hz 2kVA /1.8kW	SNMP 15-SNMP-IN-DA806	438x88x510 / 16.50	
CORE 3K RT, 22min. 11-CORE-0030_E	76.8V/18Ah IPLFP76018129611		230V~50Hz 3kVA /2.7kW		438x88x630 / 22.50	
EBM CORE2 - BAT.BOX Code: 12-CORE-0020_E	2x 51.2V/18Ah IPLFP51018092111		438x88x510 / 29.20			
EBM CORE3 - BAT.BOX 12-CORE-0030_E	2x 76.8V/18Ah IPLFP76018129611		438x88x630 / 37.00			



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