

# MOTOBATT Hybrid

**GO BEYOND LIMITS** OF BOTH LEAD ACID AND LITHIUM BATTERIES

**Revolutionary Technologies**

## MFlex

**Multiple & Flexible Terminal**

- ✓ Adjustable Terminal Options
- ✓ Solid and Tied Wire Connection
- ✓ Copper Terminals provide Superior conductivity

## MHT

**Motobatt Hybrid Technology**

- ✓ Outstanding Cranking Power
- ✓ Longer Life Cycle
- ✓ Faster Charging Time
- ✓ Safer and More Stable
- ✓ Constant Cranking in All Weather

## HP

**High Performance Design**

- ✓ Over-charge Protection
- ✓ Over-discharge Protection
- ✓ Dynamic cell balancing
- ✓ Temperature Control

## AGM

**Absorbed Glass Mat**

- ✓ Recovers Rapidly
- ✓ Plate Designed for Powersports
- ✓ Vibration Resistant



Motobatt Hybrid goes beyond limits of both lithium battery and lead acid battery, by **ACHIEVES THE BEST PERFORMANCE OF BOTH WHILE COMPATIBLE WITH ALL OEM CHARGING SYSTEMS.**

**1+1 >3 Superior Performance**

### Motobatt Hybrid vs Lead Acid Battery

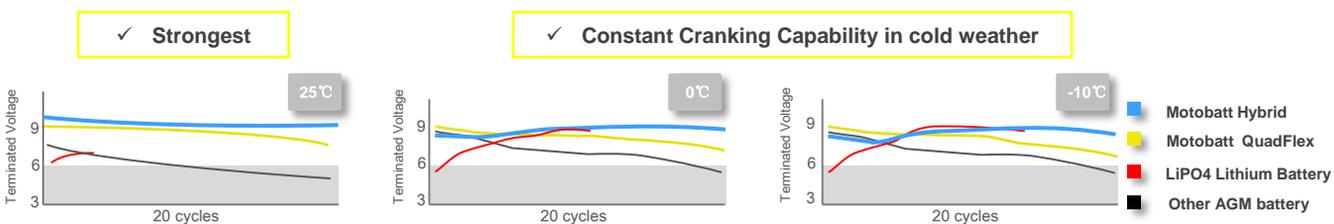
- ✓ **90% STRONGER** in cranking power
- ✓ **30% LIGHTER** in weight
- ✓ **500% LONGER** in life cycle
- ✓ **50% LOWER** in self-discharge rate
- ✓ **FASTER** in charging time
- ✓ **CONSTANT Cranking** in cold weather
- ✓ **PROTECTION** against over-charging, over-discharging and heat

### Motobatt Hybrid vs Lithium Battery

- ✓ **Compatible with OEM charging systems**
- ✓ **200% MORE** in Amp Hour Capacity
- ✓ **Temperature Stable**
- ✓ **LONGER** life cycle
- ✓ **STRONGER** cranking in cold weather
- ✓ **ADAPTABLE** to lead acid charger
- ✓ **MORE** electronic connections

### REAL WORLD Cranking Performance Test

(Parallel comparison by multiple start attempts)



Note: Lithium battery stops continuing testing as a result of over heated or lack of capacity.

# MOTOBATT Hybrid

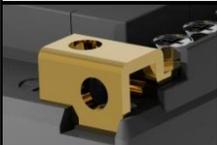
**GO BEYOND LIMITS** OF BOTH LEAD ACID AND LITHIUM BATTERIES

**ONLY 5 MODELS** of Motobatt Hybrid series **REPLACE 92 JIS MODELS** !

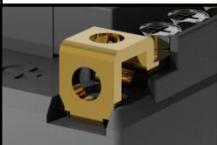
MOTOBATT Hybrid Model	Voltage (V)	Cranking Ampere (A)	Net Weight (KG)	Terminal Locations	Dimension (mm)			Note	JIS models Replaced by single Motobatt Parts	Replaced QuadFlex Models	Replaced Pro Lithium Models
					L	W	H				
<b>MHTX30</b> 	12	650	7.00		166	126	175	Includes 17mm bottom spacer	<b>34</b>	MBTX30U MBTX30UHD	MPLX30UHD
<b>MHTX20</b> 	12	550	4.20		175	87	155	Includes 20mm bottom Spacer and a 13mm side spacer	<b>20</b>	MBTX20U MBTX20UHD	MPLX20UHD
<b>MH51814</b> 	12	500	4.00		186	82	171	-	<b>3</b>	MB51814	MPL51814
<b>MH14B4</b> 	12	330	2.20		150	70	130	Includes 15mm side spacer	<b>4</b>	MBT12B4 MBT14B4	MPL14LB4
<b>MHTX16</b> 	12	350	2.60		151	87	130	Includes 15mm side spacer	<b>29</b>	MBTX12U MBYZ16H MBTX16U	MPLX16U

## M-FLEX

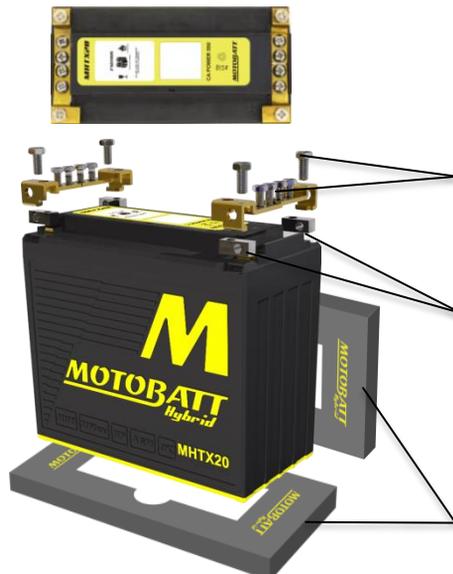
### TERMINAL TYPES



### H.D.design



### Universal design



## PARTS & ACCESSORIES

Part	Code	Specification
Screw	MHAS01	Stainless steel, Philips hex head M6x12mmx1.0mm pitch
	MHAS02	Stainless steel, Philips hex head M5x12mmx0.8mm pitch
Lock Nut	MHALN01	Stainless steel, M6x1.0mm pitch, 2 position
	MHALN02	Stainless steel, M6x1.0mm pitch, 1 position
Terminal Cover	MHATC01	Adjustable, red/black 
EVA FOAM Spacer	MHASP01	Bottom: 175x87x20mm
	MHASP02	Bottom: 166x126x17mm
	MHASP03	Side or Bottom: 150x70x15mm