



NEW!
LG MULTI SPLIT 2015
 Comfort
 Cooling & Heating Solution
 for Residential and Commercial



Distribution Box / Y Branch, Branch Kit for MULTI Fdx Type

PMBD3620
 PMBD3630
 PMBD3640



2units
 PMBL3620
 PMBL5620
3units
 PMBL1203F0



Specification			PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units		1~2	1~3	1~4
	Capacity		5k/7k/9k/12k/18k/24k	5k/7k/9k/12k/18k/24k	5k/7k/9k/12k/18k/24k
Power Source		ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50
Power Consumption		W	10	10	10
Running Current		A	0.05	0.05	0.05
Dimensions	W x H x D	mm(inch)	302x143x252	302x143x252	302x143x252
Net Weight		kg(ib)	4.8 / 10.6	4.9 / 10.8	5 / 11
Piping Connection (To Outdoor Unit)	Liquid	mm(inch)	ø9.52(3/8)	ø9.52(3/8)	ø9.52(3/8)
	Gas	mm(inch)	ø19.05(3/4)	ø19.05(3/4)	ø19.05(3/4)
Piping Connection (To Indoor Unit)	Liquid	mm(inch)	ø6.35(1/4)2EA	ø6.35(1/4)3EA	ø6.35(1/4)4EA
	Gas	mm(inch)	ø9.52(3/8)2EA	ø9.52(3/8)3EA	ø9.52(3/8)4EA

Note:
 1. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)
 2. The BD should be installed inside the building.

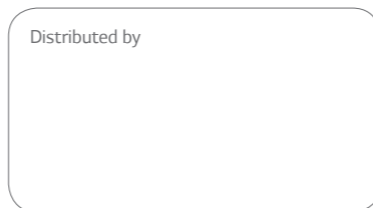
LG Electronics
H&A Company, Commercial Air Conditioning

Two IFC, 10 Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul 150-945

www.lg.com <http://partner.lge.com/gateway.lge>

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Why LG MULTI Split?

LG has taken the initiative to develop new, highly efficient, inverter technology. In addition to consuming less electricity, the company's advanced inverter systems have powerful performance and enhanced reliability. Also a wide range of indoor unit design options are available.

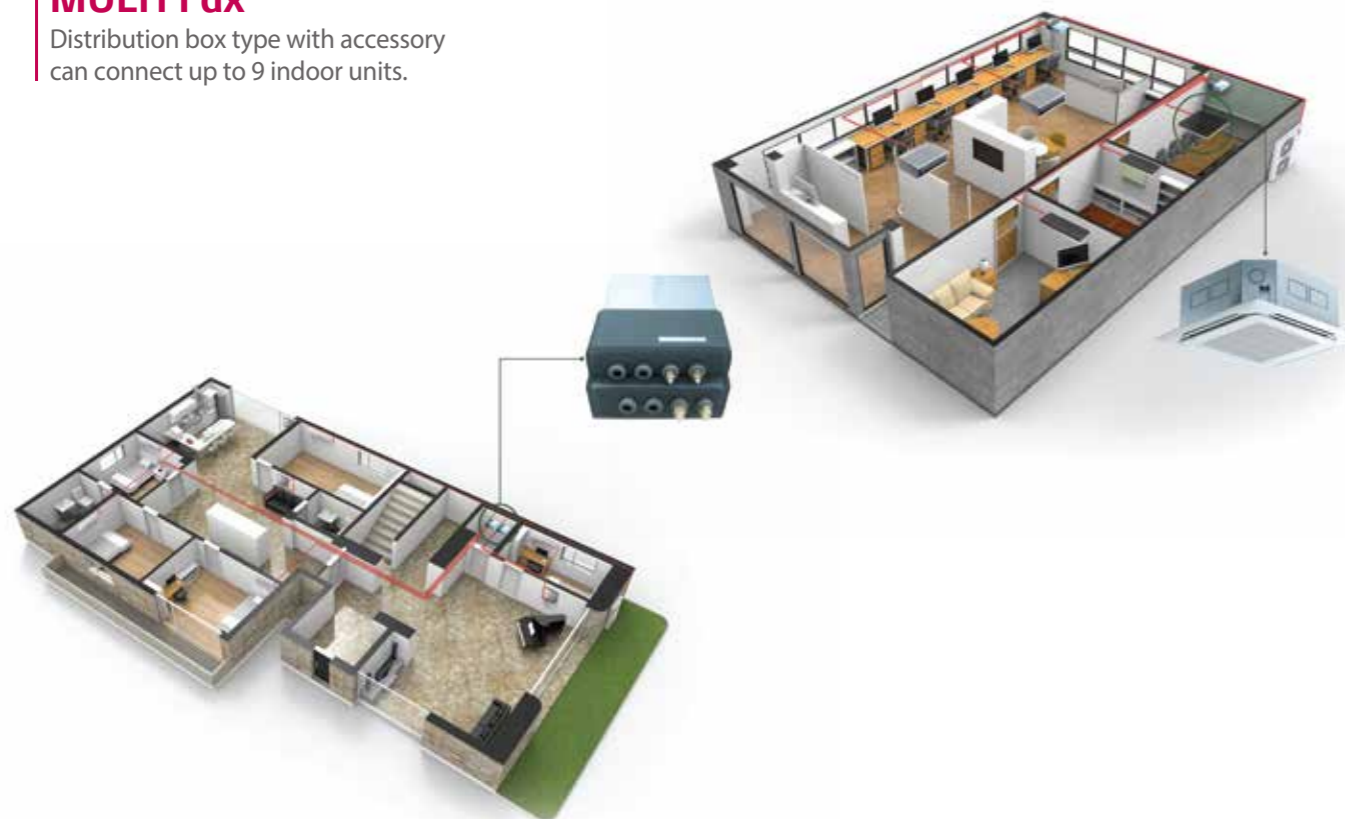
MULTI F

MULTI piping type can connect up to 5 indoor units.



MULTI Fdx

Distribution box type with accessory can connect up to 9 indoor units.

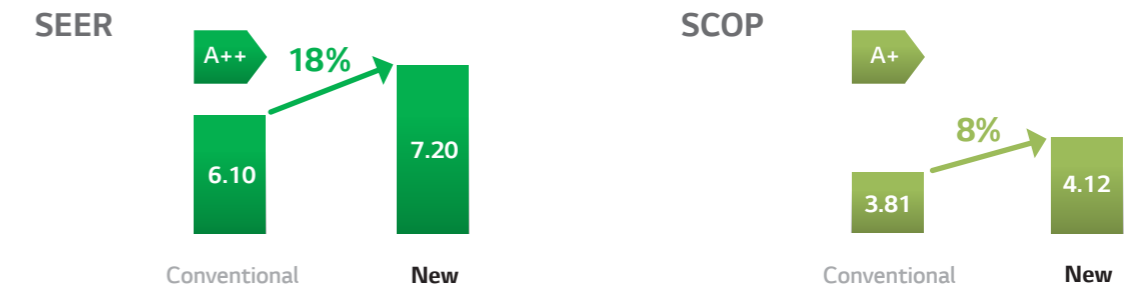


LG offers smart & convenient functions that are beneficial to customers.

“ Highly improved efficiency & Smart Load Control function for LG's new MULTI outdoor units ”

Improved Efficiency

All new multiple piping type models have highly improved in seasonal energy efficiency ratio. Especially in heating mode, the seasonal energy label has been upgraded from A to A+.



* Based on MU2M15 UL3 / MU2M17 UL3

New

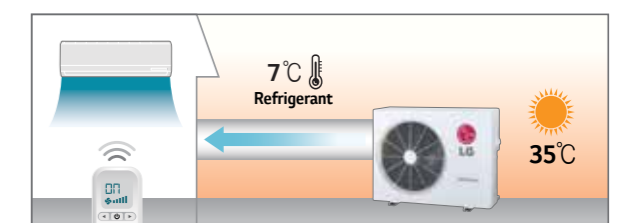
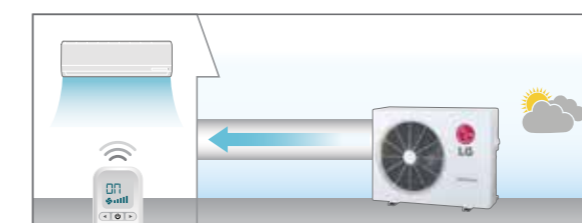
MODEL	MU2M15 UL3	MU2M17 UL3	MU3M19 UE3	MU3M21 UE3	MU4M25U43	MU4M27 U43	MU5M30 U43
SEER	A++ 7.20	A++ 7.20	A++ 7.20	A++ 6.90	A++ 7.01	A++ 7.01	A++ 7.10
SCOP	A+ 4.12	A+ 4.12	A+ 4.21	A+ 4.21	A+ 4.01	A+ 4.01	A+ 4.01

Smart Load Control

LG is the first in the market who has applied Smart Load Control function in multi splits. This greatly helps save energy consumption.

What is Smart Load Control?

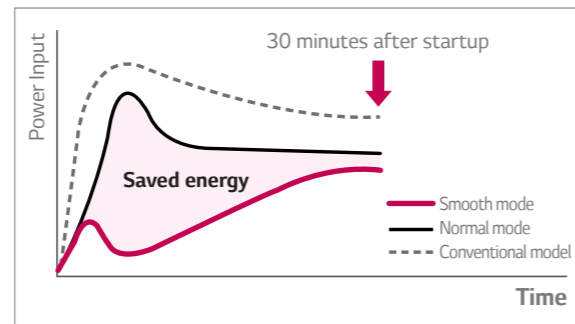
Loads and discharge air temperature will be automatically changed according to outdoor and setting temperature. ODU changes refrigerant temperature with responding to setting temperature and outdoor temperature. It will control discharge air temperature inside and reduce load of compressor.





How Does It Save Energy Cost?

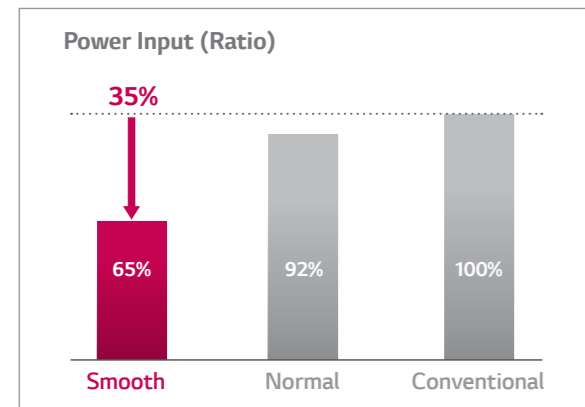
30 minutes after startup operation on Smooth mode (Switch on Smart Load Control), indoor temperature will be same with conventional model or normal mode, but new models can consume much smaller power input with operating compressor smoothly. Also It is applied in real time operation with same logic and can reduce the cost.



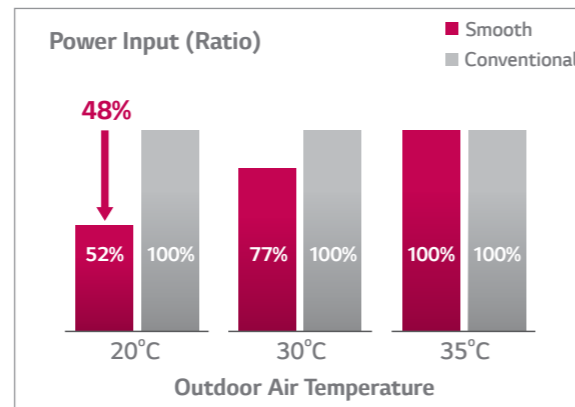
* This image is a schematic diagram to help you understand, represent the trend of the conventional model and the new model.

How Much Power Consumption Does It Save?

Start-up operation



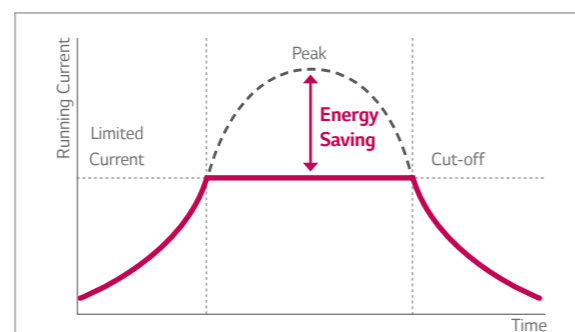
Real time



* Tested model/Condition : MU3M19 UE3 / ISO 5151

Peak Current Control

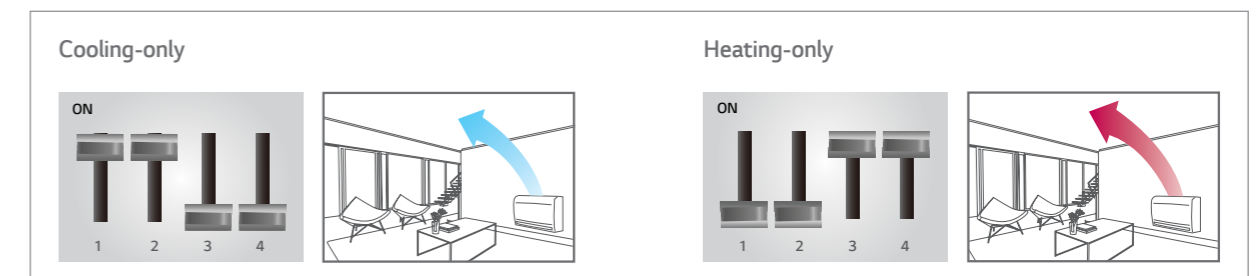
Peak current control function keeps heat pumps from running at maximum level while they are maintaining current system setting, in order to reduce energy consumption. This function can help to cut energy costs during peak periods of using energy when the energy fee is much higher.



* Applied to H-Inverter 10~14kW

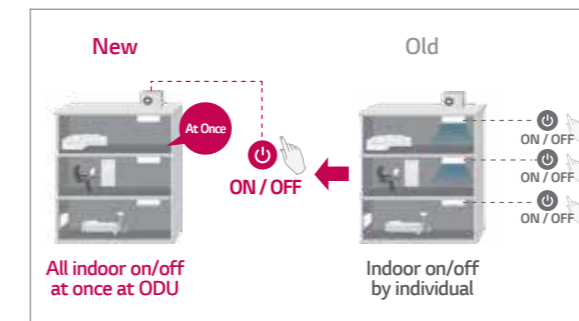
Mode Lock

You can set mode of operation as cooling-only or heating-only by adjusting dip switch at ODU, in order to prevent mixed use.



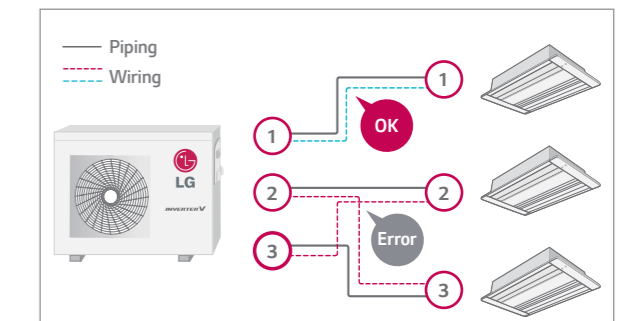
Outdoor Dry Contact

LG New models have applied outdoor dry contact on outdoor unit. It can make you easily take on and off all indoor units at once.



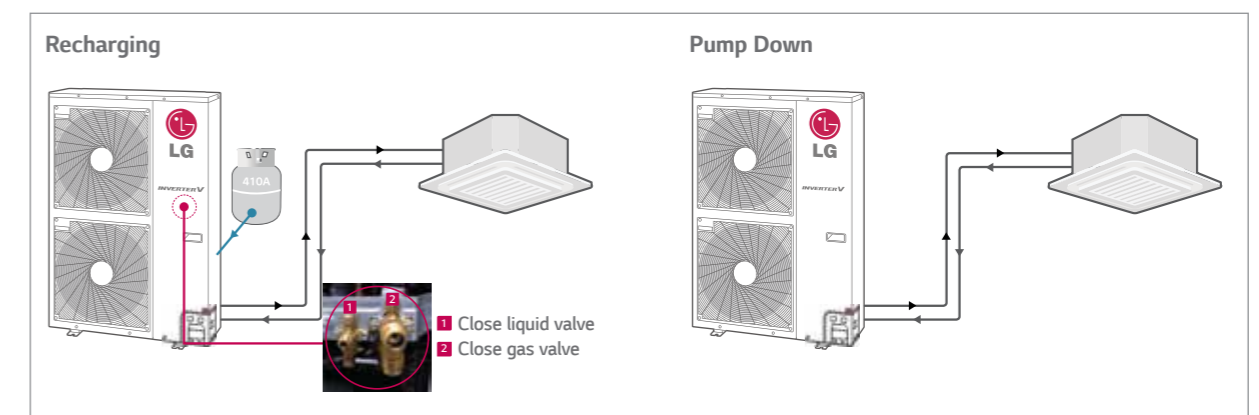
Wiring Error Check

You can check whether the transmission cable has been connected correctly by using the wiring error check function.



Forced Cooling Operation

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being moved or repaired.



Indoor Unit Line Up

INDOOR UNIT									
		kBtu	5	7	9	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7
Wall Mounted Unit	Standard								
	Deluxe								
	ART COOL Mirror								
	ART COOL Gallery								
	ART COOL Panel								
Ceiling Mounted Cassette	1 Way Cassette								
	4 Way Cassette								
Ceiling Concealed Duct	Mid/High Static Pressure								
	Low Static Pressure								
Ceiling & Floor Convertible Unit / Ceiling Suspended Unit									
Console									

ART COOL Mirror Note : *indicates panel color_Mirror(R), Silver(V), White(W)
 ART COOL Panel Note : *indicates panel color_Silver(V), Red(E), Gold(G), White Silver(H)

Outdoor Unit Line Up

MULTI F / Multiple Piping Type

Specification	MU2M15 UL3	MU2M16 UL3	MU3M19 UE3	MU3M21 UE3	MU4M25 U43	MU4M27 U43	MU5M30 U43	MU5M40 U42	
Connectable Indoor Unit (Max)	EA	2	2	3	3	4	4	5	
Capacity (Min/Nom/Max)	kW	0.9/4.1/4.7	0.9/4.7/5.4	1.4/5.3/6.3	1.4/6.2/7.3	4.2/7.0/8.4	4.9/7.9/9.5	5.3/8.8/10.5	0.9/11.2/13.5
Power Input (Min/Nom/Max)	kW	0.3/1.0/1.5	0.3/1.3/1.6	0.1/1.3/2.1	0.1/1.6/2.5	1.0/1.7/2.5	1.2/2.0/3.0	1.3/2.2/3.4	0.8/2.7/4.2
Operation Range	°C DB	-10-46	-10-46	-10-48	-10-48	-10-48	-10-48	-10-48	-10-48
EER/SEER/Seasonal Energy Label		4.02/7.2/A++	3.72/7.2/A++	4.10/7.2/A++	3.90/6.9/A++	4.21/7.01/A++	4.00/7.01/A++	4.00/7.10/A++	4.10/5.80/A+
Capacity (Min/Nom/Max)	kW	1.0/4.7/5.0	1.0/5.3/5.7	1.4/6.3/7.3	1.1/7.0/7.8	5.1/8.4/9.2	5.9/9.1/10.5	6.1/10.1/12.1	1.0/12.5/15.0
Power Input (Min/Nom/Max)	kW	0.3/1.1/1.4	0.3/1.3/1.7	0.2/1.5/2.6	0.2/1.7/2.5	1.1/1.8/2.9	1.2/2.0/3.6	1.3/2.2/3.7	0.8/2.8/4.5
Operation Range	°C DB	-18-18	-18-18	-18-18	-18-18	-18-18	-18-18	-18-18	-18-18
COP/SCOP/Seasonal Energy Label		4.34/4.12/A+	4.12/4.12/A+	4.10/4.21/A+	4.11/4.21/A+	4.69/4.01/A+	4.52/4.01/A+	4.60/4.01/A+	4.45/3.81/A
Power Supply	øV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/51	1/220-240/52	1/220-240/53	1/220-240/54
Dimensions (WxHxD)	mm/	770x545x288	770x545x288	870x655x320	870x655x320	950x834x330	950x834x330	950x834x330	950x1,170x330
Net Weight	kg	37	37	45	45	64	64	64	84
Refrigerant R410A (Precharged, Additional Charge)	g/g/m	1,400, 20 (After 15m)	1,400, 20 (After 15m)	1,700, 20 (After 22.5m)	1,800, 20 (After 22.5m)	3,200, 20 (After 37.5m)	3,200, 20 (After 37.5m)	3,200, 20 (After 37.5m)	3,800, 20 (After 37.5m)
Pipelength Total/per Branch (Max)	m	30/20	30/20	50/25	50/25	70/25	70/25	70/25	85/25
Maximum Height Difference (ODU-IDU/IDU-IDU)	m	15/7.5	15/7.5	15/7.5	15/7.5	15/7.5	15/7.5	15/7.5	15/7.5
Circuit Breaker	A	15	15	20	20	25	25	25	30

*Piping Connection for Liquid/Gas : ø 6.35mm/ø 9.52mm
 *This product contains fluorinated greenhouse gases (R410A)

MULTI Fdx / Distribution Box Type

Specification	FM40AH UO2	FM48AH U32	FM56AH U32	FM41AH U32	FM49AH U32	FM57AH U32	
Connectable Indoor Unit (Max)	EA	7	8	9	7	8	
Capacity (Min/Nom/Max)	kW	2.8 / 11.2 / 13.5	3.3 / 14.0 / 17.0	4.0 / 15.5 / 18.5	2.8 / 12.1 / 14.1	3.3 / 14.0 / 17.0	4.0 / 15.5 / 18.5
Power Input (Min/Nom/Max)	kW	0.8 / 2.7 / 4.2	0.8 / 3.2 / 5.1	1.0 / 3.9 / 5.9	0.8 / 2.4 / 3.8	0.8 / 3.2 / 5.1	1.0 / 3.9 / 5.9
EER/SEER/Seasonal Energy Label		4.10 / 5.60 / A+	4.41 / - / -	4.01 / - / -	4.68 / - / -	4.41 / - / -	4.01 / - / -
Capacity (Min/Nom/Max)	kW	3.1 / 12.5 / 15.0	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8	3.2 / 12.5 / 15.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Power Input (Min/Nom/Max)	kW	0.8 / 2.8 / 4.5	1.3 / 3.7 / 5.2	1.5 / 4.2 / 6.2	0.9 / 2.5 / 4.7	1.3 / 3.7 / 5.2	1.5 / 4.2 / 6.2
COP/SCOP/Seasonal Energy Label		4.45 / 3.81 / A	3.37 / - / -	4.18 / - / -	4.92 / - / -	4.37 / - / -	4.18 / - / -
Power Supply	øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Dimensions (WxHxD)	mm	950 x 1,170 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight	kg	82	96	96	96	96	96
Refrigerant R410A (Precharged, Additional Charge)	g/g/m	3,800 / 20	4,400 / 20	4,400 / 20	4,400 / 20	4,400 / 20	4,400 / 20
Pipelength Total/Main/Total Branch/Each Branch (Max)	m	100/50/50/15	135/55/80/15	145/55/90/15	125/55/70/15	135/55/80/15	145/55/90/15
Maximum Height Difference (ODU-IDU/IDU-IDU)	m	30/15	30/15	30/15	30/15	30/15	30/15
Circuit Breaker	A	30	40	40	20	20	20

*Piping Connection for Liquid/Gas : ø 9.52 mm/ø 19.05mm
 *Operation Range : Cooling -10 ~ 48 °C DB / Heating -18 ~ 18 °C WB
 *This product contains fluorinated greenhouse gases (R410A)